TJ TRAX

OWNER'S HANDBOOK

HOLDEN

GM Holden Ltd, ABN 84 006 893 232 (hereinafter Holden)

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, Holden may need to contact you as the owner of this vehicle.

If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the form at the back of the Service/warranty booklet.

For information about GM Holden's privacy policy or to update owner details online, please visit Holden's website at www.holden.com.au

Note Please refer to the inside front cover of the Service/warranty booklet for the Vehicle Identification Certificate.

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Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This handbook applies to the current Trax model. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Handbook provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Using this manual

- The In brief section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.

- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Depending on the model variant, integrated special equipment and accessories, the scope of equipment of your vehicle can differ from the descriptions in this Owner's Handbook.
- The *Bluetooth*® word mark and logo are registered trademarks and are owned by the Bluetooth SIG, Inc.
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Danger, warnings and cautions

⚠Danger

Text marked ⚠ **Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning

Text marked ⚠ **Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution

Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

In brief

Initial drive information

Locking/unlocking the vehicle

Remote keyless entry

The key operates all doors and the ignition.

- Press to unlock the doors.
  The hazard lamps flash twice.
- Press to lock the doors.
  The hazard lamps flash once.

Central locking system, see page 18.

Tailgate, see page 22.

Seat adjustment

Seat positioning

1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.

Seat adjustment, see page 32.

Seat position, see page 31.

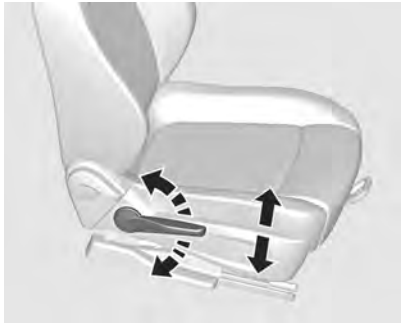
Seat backrests

1. Recline the seatback by lifting the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note
Do not lean on the seat when adjusting.

Seat adjustment, see page 32.

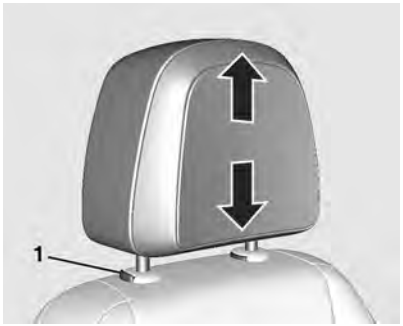
Seat height



- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Seats and restraints, see page 30.

Head restraint adjustment



- To raise the head restraint, pull the head restraint upwards.
- To lower the head restraint, press (1) and push the head restraint downwards.

Head restraints, see page 30.

Seat belts

1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Seat belts, see page 37.

Mirror adjustment

Interior mirrors

To reduce headlamp glare from following vehicles, pull the lever towards the rear of the vehicle.

Rear view mirror, see page 25.

Exterior mirrors

L: Left side mirror selected

R: Right side mirror selected

O: No mirrors selected

To adjust an exterior rear view mirror:

1. Rotate the switch to **L** or **R**.
2. Swivel the switch to adjust the mirror.

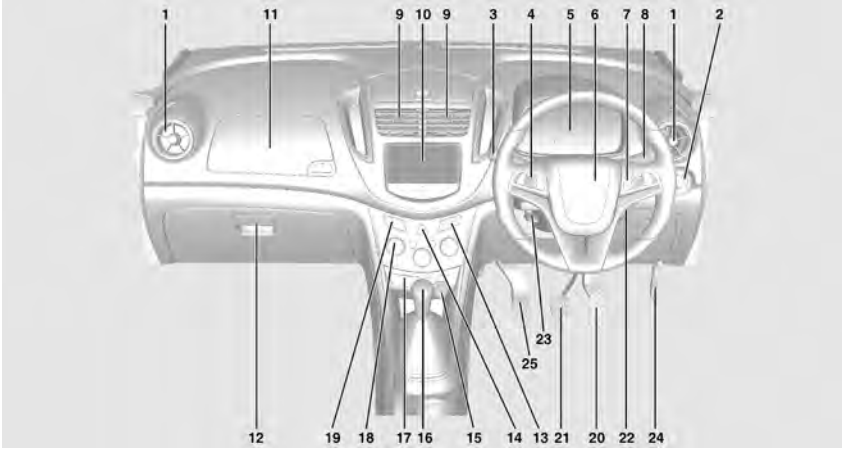
Exterior mirrors, see page 24.

Steering wheel adjustment

1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering wheel adjustment, see page 53.

Instrument panel overview



1. Side air vents
2. Exterior lamp switch
3. Wiper and washer lever
4. Cruise control
5. Instrument cluster
6. Horn, driver's airbag
7. Steering wheel remote controls
8. Turn signals
9. Central air vents
10. Infotainment system
11. Storage (AUX, USB port)
12. Glove box
13. ESC switch
14. Hazard warning flasher
15. Power outlet
16. Shift lever
17. DCS switch
18. Climate control system
19. Passenger seat belt reminder light
20. Accelerator pedal
21. Brake pedal
22. Ignition switch/lock
23. Steering wheel adjustment
24. Bonnet release lever
25. Clutch pedal

Exterior lighting

⏻ (OFF): Rotate to turn all lamps and lights off.

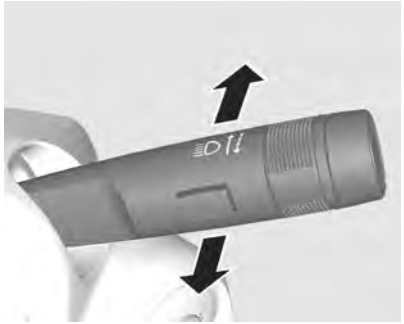
AUTO: Exterior lamps and instrument panel lights turn on or off automatically, depending on the ambient light.

(Park lamps): Turns on the park lamps, number plate lamps and instrument panel lights.

D (Headlamps): Turns on the headlamps and all park lamps.

Exterior lighting, see page 77.

High/low beam



- To switch from low to high beam, push the lever.
- To switch to low beam, push again or pull the lever.

Exterior lighting, see page 77.

Hazard warning flashers

Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

Exterior lighting, see page 77.

Turn and lane-change signals

- Push the lever in the direction the steering wheel is turned.
- A green arrow on the instrument cluster flashes when the lamps are in operation.

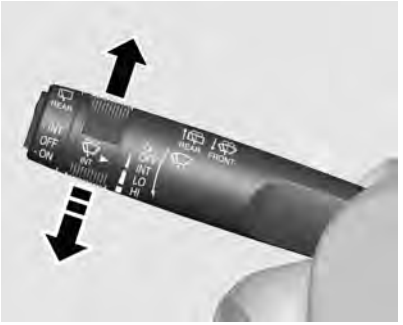
Exterior lighting, see page 77.

Horn

Press .

Washer and wiper systems

Windscreen wiper



1x: Mist

OFF: Off

INT: Intermittent operation

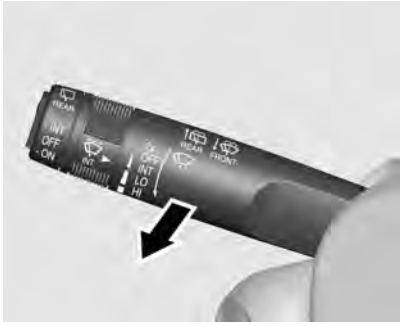
LO: Continuous wipe, slow speed

HI: Continuous wipe, fast speed

For a single wipe when the windscreen wipers are off, lightly move the lever up and release it.

Windscreen wiper/washer, see page 54.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

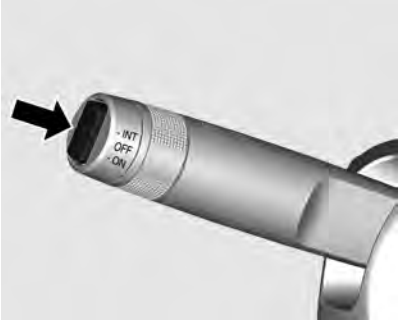
Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Windscreen washer, see page 56.

Washer fluid, see page 174.

Rear window wiper/washer

Wiper



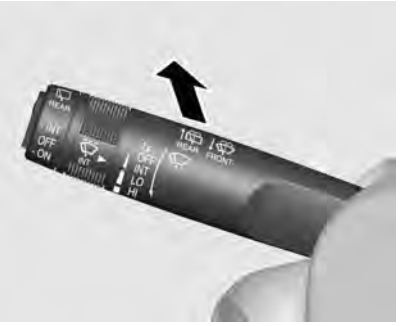
INT: Intermittent wipes, push in at the top of the button.

ON: Continuous wipes, push in at the bottom of the button.

OFF: To turn the wipers off, place the switch in the OFF position.

Rear window wiper/washer, see page 56.

Washer



Push the lever forwards.

Washer fluid is sprayed onto the rear window and the wiper swipes for a few strokes.

Rear window wiper/washer, see page 56.

Washer fluid, see page 174.

Climate control

Heated rear window

Press .

Note
The engine must be running.

Heated rear window on page 26.

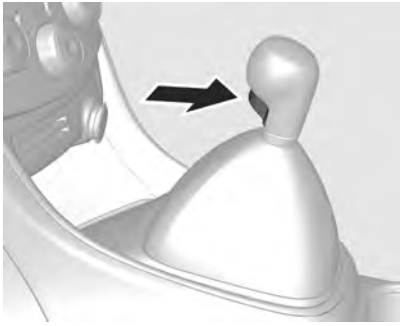
Demisting and defrosting the windows

Rotate to select .

Windscreen demister, see page 134.

Transmission

Manual transmission



Select reverse gear while the vehicle is stationary:

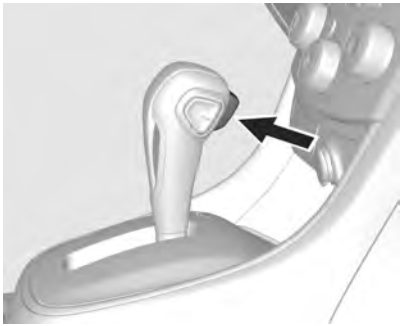
1. Press the clutch pedal to the floor.
2. Pull up on the button.
3. Move the shift lever to position **R**.

If the gear does not engage:

1. Return the shift lever to neutral.
2. Release the clutch pedal.
3. Push the clutch pedal again and repeat gear selection.

Manual transmission, see page 147.

Automatic transmission



P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

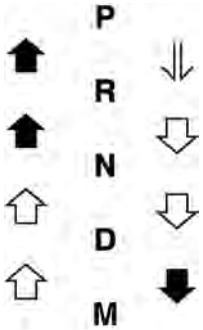
R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral).

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

M: (manual).

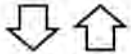
Movement between certain gear positions requires pressing the release button on the shift lever and/or the brake pedal to the floor.



Follow the descriptions as indicated by the arrows when moving the shift lever.

Press the release button to select a gear.

Push the brake pedal to the floor and press the release button to select a gear.



Shift freely to select a gear.

Automatic transmission, see page 142.

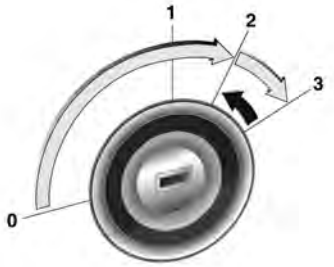
Getting started

1. Check that windows, mirrors and lamps are clean.
2. Visually check tyre inflation. Check tyre pressures weekly.
3. Close and secure all doors.
4. Position the seat for comfortable driving.
5. Adjust rear view mirrors.
6. Fasten seat belts.
7. Check that warning indicators illuminate when turning the ignition on.

Warning lights, gauges and indicators, see page 59.

Driving and operating, see page 138.

Starting the engine



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0: (LOCK) The key can only be inserted and removed from this position.

1: (ACC) When the key is in this position, the audio system operates.

2: (ON) When the key is in this position, the engine is ready to start and all electrical systems are active.

Do not leave the switch in this position for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

3: (START) Turn the key to this position and release when the engine is running.

Ignition positions, see page 139.

Parking

1. Apply the park brake.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.
3. Shut all windows.
4. Turn the ignition off and remove the key.
5. Press on the key to lock all doors.

Driving and operating, see page 138.

Keys, doors and windows

Keys and locks 16
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Windows 25
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Keys and locks

Keys

The key operates all doors and the ignition.

- Press to unlock the doors.
  The hazard lamps flash twice.
- Press to lock the doors.
  The hazard lamps flash once.

See Central locking system on page 18.

See Tailgate on page 22.

Foldaway key blade

1. Press button to extend the key blade.
2. To retract the key blade, press the button and fold the blade into the key.

About the keys

- The remote control has a range of up to 30 metres.
- The range depends on the charge of the key battery, on ambient conditions, the key's location and the area between the key and the vehicle.
- Take care that no button is pressed unintentionally, especially when the vehicle is out of sight.
- Protect from moisture and high temperatures.

The key buttons may not work if:

- More than 30 metres from the vehicle.
- Battery voltage is too low. See Battery replacement on page 17.
- The key buttons are operated repeatedly while not in range of the vehicle.
- The central locking system is operated at frequent intervals.
- The power supply is interrupted for a short time.
- The vehicle is parked near strong radio activity.

Replacement keys

If a key is lost, a replacement can be ordered through any Holden Dealer.

Radio remote control

Battery replacement

As soon as the range of the remote control reduces, replace the battery:

Use CR2032 (or equivalent) battery.

1. Open the cover.
2. Remove the used battery.
   Avoid touching the circuit board to other components.
3. Install the new battery.
   Place the negative side (-) down towards the base.
4. Close the cover.
5. Check the key operation.

Note

- Batteries do not belong in household waste. Dispose of at an appropriate recycling collection point.
- Avoid dropping the transmitter.
- Do not place heavy objects on the transmitter.
- Keep the transmitter away from water and direct sunlight.

  If the transmitter gets wets, wipe it with a soft cloth.

Caution
Avoid touching the flat surfaces of the battery, the circuit board and other components inside the remote control with bare fingers. Handling will shorten battery life.

Central locking system

Doors may be locked and unlocked by pushing buttons on:

- The driver or front passenger door
- The key from inside or outside the vehicle

Note

The driver's door must be closed for the driver's door to lock.

To customise features, see Vehicle personalisation on page 75.

Central locking button

Driver door

Front passenger door

Locks and unlocks all doors, the tailgate and fuel filler door.

- Press to lock.
- Press to unlock.

If the driver's door is open, the driver's door and fuel filler door cannot be locked.

To customise features, see Vehicle personalisation on page 75.

Unlocking

- Press .

  All doors unlock.

  The hazard lamps flash twice.

To unlock the driver's door only or to change the unlock feedback, see Vehicle personalisation on page 75.

Locking

- Press button .

  All doors lock.

  The hazard lamps flash once.

To change the lock feedback, see Vehicle personalisation on page 75.

Delayed locking

The doors may be locked and the anti-theft alarm system armed, 5 seconds after the last door is closed, by pressing on the central locking button.

- ON: The doors will not lock until 5 seconds after the last door is closed.
- OFF: The doors will lock immediately when is pressed.

To customise features, see Vehicle personalisation on page 75.

Automatic door locks

The doors may be locked, at any time from within the vehicle by pressing on the central locking button.

Automatic transmission

Moving the shift lever from **P** to any other position locks the doors, tailgate and fuel filler door automatically.

To unlock, press on the central locking button or move the shift lever to position **P**.

To customise features, see Vehicle personalisation on page 75.

Manual transmission

When vehicle speed is above 13 km/h, the doors, tailgate and fuel filler door are automatically locked.

To customise features, see Vehicle personalisation on page 75.

⚠Warning

Do not unlock the vehicle while driving.

Doors

Manual door locks

1. Insert the key in the driver's door.
2. Turn the key towards the rear of the vehicle to lock the doors.
3. Turn the key towards the front of the vehicle to unlock the driver's door.

Note
Tap the key slot or heat the key if the door does not open in cold weather.

Child security rear door locks

⚠Warning

Use the child security door locks whenever children are occupying the rear seats.

Caution

Do not pull the inside door handle while the child security door is locked. Damage may occur.

The child security rear door locks prevent the rear doors from being opened from the inside.

Rotate the switch using a key or suitable screwdriver.

To activate:

- Rotate the switch to the horizontal position.

To open a door when the child security rear door lock is activated:

- Open the door from the outside.

Tailgate

Remote unlocking/locking

⚠Warning

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects. Dangerous exhaust fumes may enter the vehicle.

To avoid injury and/or damage to the vehicle, check each time, before the tailgate is closed, that the contact area is unobstructed.

Caution

Before opening the tailgate, check the area above and behind for obstructions, to avoid damage to the tailgate.

Note
Adding heavy accessories to the tailgate may affect its ability to remain open.

Tailgate

Unlocking:

1. Press .
2. Push the touchpad on the tailgate.

Locking:

1. Push down so it latches securely.
2. Press .

Note
The tailgate can be opened when, the engine is running, the shift lever is in P (automatic transmission) or the park brake is on (manual transmission).

Vehicle security

Anti-theft alarm system

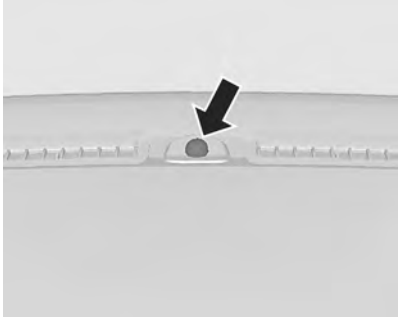
The system is activated:

- Thirty seconds after locking the vehicle.
- Immediately, by pressing a second time.

The system is deactivated by:

- Pressing on the key.

Status LED



The status LED is located on top of the instrument panel.

During the first 30 seconds of system activation:

- LED illuminates (test, arming delay)
- LED flashes quickly (doors or bonnet are not completely closed or there is a system fault.

When the system is armed:

- LED flashes slowly

If a fault occurs, contact a Holden Dealer.

Alarm

The alarm can be silenced by pressing any button of the radio remote control or by switching on the ignition.

Auto door unlock

In the event of an accident, the doors will automatically unlock if the ignition is on.

Note
The doors may not unlock if damage occurs to the door lock system or battery.

Immobiliser

The immobiliser prevents unauthorised engine starting.

- If an invalid key is inserted into the ignition switch/lock, an indicator on the instrument cluster will flash.

  The vehicle will not start.
- The engine is automatically immobilised after the key is turned to LOCK and has been removed from the ignition switch/lock.
- Only valid ignition keys can be used to start the engine.

Have the vehicle checked by a Holden Dealer.

Exterior mirrors

Convex mirror

The convex exterior mirrors provide a wider view of the road and traffic.

Note
Objects appear smaller than their actual size.

Power mirrors

L: Left side mirror selected

R: Right side mirror selected

O: No mirrors selected

To adjust an exterior rear view mirror:

1. Rotate the switch to **L** or **R**.
2. Swivel the switch to adjust the mirror.

Folding mirrors

When the vehicle is parked, the mirrors may be folded flat against the side of the vehicle.

⚠Warning

Always extend mirrors outwards for driving to increase visibility.

Do not drive while either exterior mirror is folded against the vehicle.

Interior mirrors

Rear view mirror

To reduce headlamp glare from following vehicles, pull the lever towards the rear of the vehicle.

Note
The rear view clarity is reduced when the mirror is set to the anti-glare position.

Return the lever back to its original position as soon as the glare has disappeared.

Windows

Power windows

⚠Warning

Before operating the power windows, check they are free of obstructions and that passengers and pets are not in the proximity of the moving window.

The power windows can be operated when the ignition is turned on.

Operation

- To open a window, press the switch down.
- To close a window, lift the switch up.
- The window stops moving up as soon as the button is released.

⚠Danger

Do not leave keys or children unattended in the vehicle.

Children may operate the switches and become trapped in the windows.

Serious injury or death may occur from misuse of power windows.

Auto up/down

The driver's window has an auto up/down function.

- To open the window automatically, press the switch down.
- To close the window automatically, pull the switch up.
- The window will open or close fully when the switch is released.
- Press or pull the switch to interrupt automatic operation.

Anti-pinch function

If the window encounters any resistance during closing, it will stop immediately and open again.

Child safety switch

Press to activate/deactivate the rear door power window switches.

Heated rear window

- Press .

The heated rear window:

- Operates when the ignition is turned on.
- Switches off automatically after a few minutes or by pressing again.

Caution

Do not use sharp objects or abrasive window cleaners on the rear window.

Do not scratch or damage the wires.

Sun visors

- The sun visors can be folded down or folded outwards over the side window, to prevent glare.
- Close the mirror cover before driving.

⚠Warning

Do not place the sun visor in such a position that it reduces visibility of the roadway, traffic or other objects.

- If the vehicle has illuminated lamps, they turn on and off when the cover is opened and closed.

Roof

Sunroof

The vehicle may have a sunroof.

⚠Warning

Always observe the following precautions:

Do not place fingers or objects near the sunroof when operating.

Do not place heavy objects on or around the sunroof.

Remove debris from the outside of the sunroof.

When leaving the vehicle unattended, close the sunroof fully.

As at all other times, all occupants must wear their seat belts whether the sunroof is open or closed.

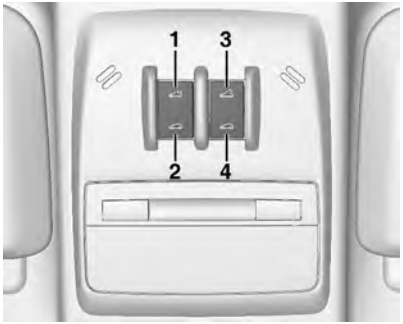
Failure to observe these precautions may result in personal injury or damage to your vehicle.

Fitting an aftermarket sunroof may void the New Vehicle Voluntary Warranty on your vehicle and could result in injury to the vehicle occupants in the event of an accident.

The sunroof:

- Will operate when the ignition is turned on.
- Can be raised or can slide back into the roof.

The sunroof switch is located between the sun visors.



Open or close

- To open to a specific position, press (1) lightly and hold.
- Release the switch when the required position has been reached.

To close the sunroof:

- Press (2) lightly and hold.

Tilt or close

To tilt the sunroof:

- Press (3).

To close the sunroof:

- Press (4).

Auto open or close

To open the sunroof automatically:

- Press (1) firmly and release.
- To stop movement, press any of the switches again.

To close the sunroof automatically:

- Press (2) firmly and release.
- To stop movement, press any of the switches again.

Safety function

If the sunroof encounters resistance during automatic closing, it stops immediately and opens again.

Caution
Obstruction detection only operates when the sunroof is closing. Before opening the sunroof, ensure that there are no obstructions, e.g. a roof rack.

Sunblind

The sunblind is operated manually.

- Close or open the sunblind by sliding.
- When the sunroof is open, the sunblind is always open.

Seats, restraints

Head restraints 30
Front seats 31
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Child restraints 45

Head restraints

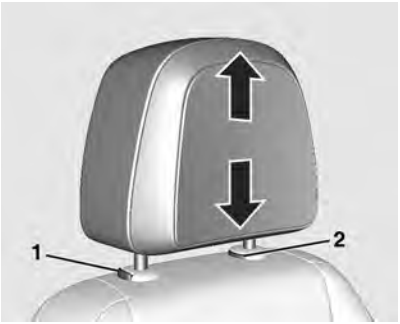
⚠Warning

This safety feature is not intended to rest the head upon. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.

The centre of the head restraint should be at eye level, never at neck level.

Height adjustment

Front head restraints

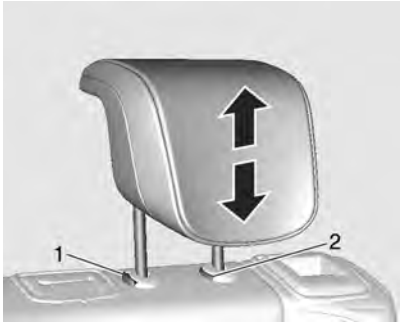


- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

Rear head restraints



- Pull the head restraint up.
- Press the locking button (1) and push the head restraint down.

To remove:

1. Pull the head restraint up.
2. Press the locking buttons (1) and (2) at the same time.
3. Remove the head restraint.

The headrests are in a stowed, non-use position, when at their lowest position.

Front seats

Seat position

⚠Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

- Sit centrally in the seat.
- Use the backrest and cushion for support.

- Adjust the seat so that your legs are slightly angled when against the pedals.
- Adjust the backrest angle to easily reach the steering wheel with arms slightly bent. See Steering wheel adjustment on page 53.
- Maintain contact between shoulders and the backrest when turning the steering wheel.
- Adjust the head restraint. See Head restraints on page 30.
- Slide the passenger seat as far back as possible.

Seat adjustment

⚠Danger

Do not sit nearer than 25 cm from the steering wheel, to allow safe airbag deployment.

⚠Warning

Do not adjust the driver's seat when the vehicle is moving as the seat could move suddenly causing the driver to lose control.

⚠Danger

When folding the front passenger seatback forward to carry long items, ensure that the items are secured a safe distance away from an inflating airbag. In a crash, an inflating airbag can force an object toward a person resulting in severe injury or death.

Secure or remove unsecured items before driving.

1. Move the seat forwards or backwards by lifting the handle at the front and sliding the seat.
2. Release the handle to engage the latch.

1. Recline the seatback by lifting the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage.

Note
Do not lean on the seat when adjusting.

- To lower the seat cushion, push the lever down several times.
- To raise the seat cushion, pull the lever up several times.

Folding seatback

To fold the seatback:

1. Push the head restraint down.
2. Move the seat backwards by lifting the handle at the front and sliding the seat.
3. Lift the lever (1) up fully and fold the seatback (2) forward until it is locked.

To raise the seatback:

1. Lift the seatback and push to the upright position.
2. Push at the top of the seatback to latch into place.
3. Pull the seatback forward again to ensure it is properly latched.

⚠Warning

If the seatback is not locked, it could move forward in a sudden stop or crash causing personal injury. Always push and pull on the seatback to ensure it is locked.

Armrest

The vehicle may have an armrest on the driver's seat. It can be raised or lowered.

Heated front seats

The vehicle may have heated front seats.

To warm the seat:

1. Start the engine.
2. Press or .
   The light in the button illuminates.

To turn the heater off:

1. Press or again.

Note
Prolonged use of the heated seats for people with sensitive skin is not recommended.

Rear seats

Folding down rear seatbacks

⚠Danger

Ensure the rear seatbacks are latched securely in place.

Do not press the release button on the top of the seatback while the vehicle is moving. This could cause damage or injuries to the occupants.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Unrestrained luggage or passengers on a folded seatback could be thrown within or ejected from the vehicle in a sudden stop or accident.

Caution

Do not trap the seat belt when returning the seatback to the upright position.

Folding a rear seat with the seat belts still fastened may cause damage to the seat or the seat belts.

Always unbuckle the seat belts and return them to their stowed position before folding a rear seat.

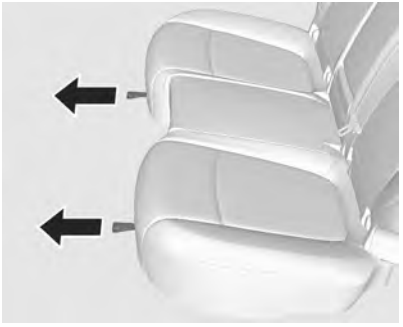
To fold the rear seatbacks down:

1. Unbuckle the seat belts.
2. Push the head restraints down by pressing the catch.
3. Slide the front seat forwards.
4. Adjust the front seatback to an upright position.

Caution

Folding the rear seat backrest before folding the cushion, may cause damage to the rear seat.

Always fold the cushion before folding the rear seat backrest.



5. Pull the straps under the seat cushion to allow the seat cushion to fall forward.

   Note Do not place anything on the floor. It may prevent the seat from folding or cause damage to the seat cushion.

6. Pull the release lever on top of the rear seatback and fold it forwards and down.

7. Fold the seatback forward and down.

8. Place the seat belts into the belt guides.

To return the seatback to the upright position:

1. Pull the seat belt away from the belt guides.
2. Lift the seatback upwards and push firmly back into place.

   Note

   - Ensure the seat belts are clear of the latch.
   - The centre rear seat belt may lock when raising the seatback. Let the belt retract then extend it.

To return the rear seat cushion to its original position, push the front part of the cushion down firmly until it latches.

Note
Ensure the seat belt buckles are not trapped.

⚠Warning

When passengers are in the rear seats ensure that the rear seatbacks are all the way back and locked in position, before starting the vehicle.

Do not pull the release levers on top of the seatback while the vehicle is moving. Damage to the vehicle or injuries to occupants may occur.

Seat belts

⚠Warning

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The belts lock during heavy acceleration or deceleration for the safety of the occupants.

Belt force limiters

In the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt tensioners

In the event of a front, side or rear collision of a certain severity, the driver's and/or passengers safety belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts or belt buckles) can trigger the belt tensioners with risk of injury.

- When the belt tensioners have been deployed, illuminates on the instrument cluster. See Seat belt reminders on page 62.
- Triggered belt tensioners must be replaced.
- Belt tensioners are only triggered once.

⚠Warning

Do not attach or install objects that may interfere with the operation of the belt tensioners.

Do not make any modifications to belt tensioner components.

Three point belt

Fitting

The belt should not be twisted. It should lie flat and fit firmly across your hips.

1. Withdraw the belt from the reel.
2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Height adjustment

1. Press and hold the button.
2. Move up and down as required.
3. Release the button.
4. Ensure that the anchor clicks into position.

⚠Warning

Do not adjust the height of the belt while driving.

The belt must lie across the shoulder. It must not lie across the throat or upper arm.

Removing

1. Press the red button on the buckle.
2. Allow the belt to retract.
3. Check that if fully retracts without twisting or turning.

   Note
   The three point belt for the rear central seat can only be withdrawn from the retractor if the backrest is in the upright position.

Seat belt use during pregnancy

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Seat belts work for everyone, including pregnant women. Like all occupants, they are more likely to be seriously injured if they do not wear a seat belt.

A pregnant woman should wear a three point belt with the lap portion of the belt worn as low as possible below the rounding of their stomach, throughout the pregnancy.

Seat belt care

⚠Warning

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Replacing seat belts after a crash

⚠Warning

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Airbag system

When triggered, airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Danger

Do not make any modifications to the airbag system.

The driver should sit back as far as possible while still maintaining control of the vehicle. Sitting too close to the airbag, can cause death or serious injury when it inflates.

Always wear a seat belt.

⚠Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats. See Child restraints on page 45.

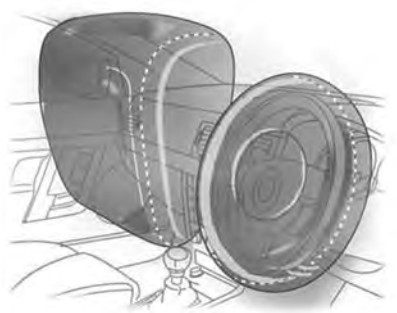
⚠Warning

Airbags are part of the supplemental restraint system (SRS) as they assist, but do not replace seat belts. Airbags do not deploy in every accident. Various factors dictate whether they deploy including speed, angle of collision and object hit. Airbags are not designed to inflate if the vehicle is hit from the rear or is involved in a rollover. Seat belts must be worn by all passengers whenever the vehicle is moving.

Airbags inflate with great force. If you are too close to an inflating airbag it may cause injury.
Seat belts help keep you in position for airbag inflation in the event of a collision.

See Airbag and belt tensioners light on page 63.

Front airbag system



The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the passenger side. These are identified by the word **AIRBAG**.

⚠Warning

The horn pad must not be covered with adhesive or any other material.

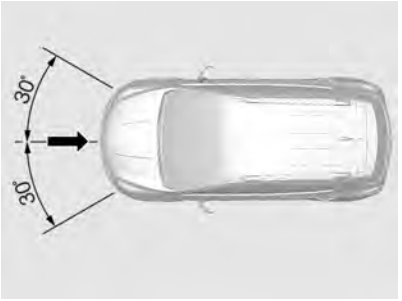
The driver should adjust the seat as far rearward as possible while still maintaining control of the vehicle.

⚠Warning

Do not place any objects on or over the instrument panel or between an airbag and yourself.

Do not hang anything from the sun visor or mirror.

Passengers must not rest their feet on the instrument panel.

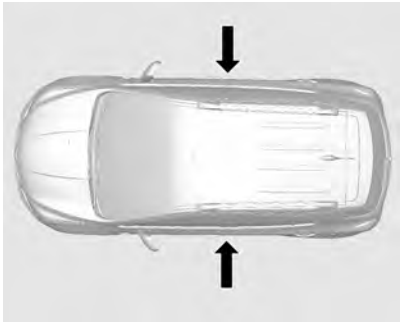


Front airbags will inflate in certain severe frontal or near frontal impacts. Front airbags are not designed to inflate if the vehicle is struck from the side, rear or in rollovers. Always wear a seat belt.

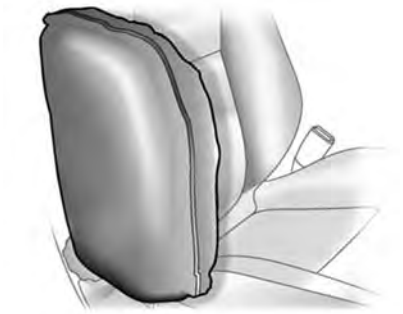
Side airbag system

Side airbags are stored in the sides of the front seats.

They can be identified by the word **AIRBAG**.



The side airbags deploy in most, but not all severe side impacts.



The risk of injury to the upper body and pelvis in the event of a side impact is considerably reduced.

⚠Warning

Do not fit unauthorised seat covers as they may impair the deployment of the side airbags.

Do not position your body or any object (including pillows) between front seats and doors.

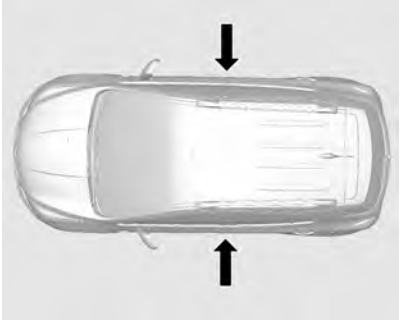
Do not lean on, or sleep against, the door. Always sit centrally in the seat.

Always wear a seat belt.

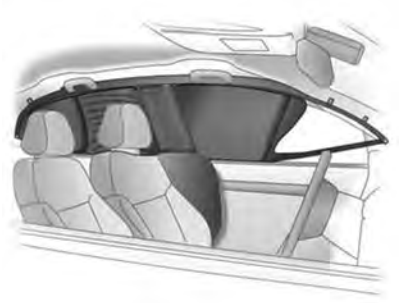
Curtain airbag system

Curtain airbags are stored in the roof on each side of the vehicle.

They can be identified by the word **AIRBAG** on the roof pillars.



The curtain airbags deploy in most, but not all severe side impacts.



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠Warning

Do not position your body or any object (including pillows) in the area in which the airbag inflates.

There must be no objects in the area in which the airbag inflates. Refer to the illustration.

Use the hooks above the doors only to hang up light articles of clothing.

Do not place any objects in the pockets of the hanging items.

Do not hold onto the assist grips (above the doors) while seated in the vehicle.

Do not lean on, or sleep against the front or rear doors. Always sit centrally in the seat.

Always wear a seat belt.

Replacing airbag system parts after a crash

Note

After an accident where airbags have deployed, the systems, associated parts and hardware must be checked and replaced as required.

Seats, associated parts and hardware must also be checked and replaced as required.

The airbag system should also be inspected after an accident if:

- The instrument panel area or steering wheel is scratched, cracked or damaged.
- The front seats and upholstery are damaged.
- The headliner or trim panels are damaged.

It is recommended that this work be carried out by a Holden Dealer or approved repairer.

Child restraints

⚠Warning

WARNING – EXTREME HAZARD!
Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!
The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.
Remember that it is safest for children to be seated in the rear seats.
Never carry a child while travelling in the vehicle.

⚠Warning

This manual provides you with general information concerning child restraints only.

The driver is required by law to ensure that passengers are suitably restrained. In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints.

Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint is suitable for your child.

⚠Warning

Always ensure that the seat belt fits firmly around the child restraint.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

Selecting the right system

Infants

Rearward facing infant capsules are designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

Young children

Forward facing child seats are for use when the child is able to sit and easily hold their head upright.

Booster seats

Booster seats are for when children outgrow a typical forward facing child seat, but are still too small for three point seat belts.

Older children

A child should use a normal three point seat belt only when:

- They can sit against the back of the rear seat with knees bent comfortably at the edge of the seat.
- The lap belt rests low and snug across the hips, not across the stomach.
- The sash belt is centred on the shoulder and chest.
- They are able to stay seated like this for the entire trip.

Where to put the restraint

⚠Warning

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Only child restraints that have clips to attach to the vehicle's anchorage fittings are to be used. Earlier types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. Only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passengers seat as far back as it will go. The forward facing child restraint must still be attached to the passenger side child restraint anchorage point, located behind the rear seat.

Remember, it is safest for children to be seated in the rear seat.

Note
If unsure about installing a child restraint, contact an approved restraint fitting station or a Holden Dealer.

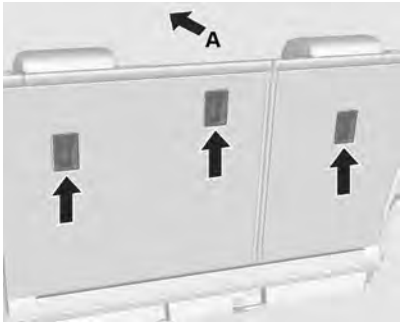
ISOFIX child restraint systems

Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.

Note Ensure that seat belt buckles are placed out of the way of the child seat.

ISOFIX mounting brackets are indicated by a label on the seatback, as shown. In addition to the ISOFIX mounting, fasten the top-tether straps to the top-tether anchorage points. See Top-tether child restraint systems on page 47.

Top-tether child restraint systems



A. Front of vehicle

The child restraint tether anchors are located at the rear of the load compartment, in line with the three rear seating positions.

Note
Use the child restraint anchors for their designed purpose only.

Child restraint installation

The vehicle has been designed to accommodate child restraints on the rear seat.

When using a child restraint, read the installation instructions supplied with the child restraint and follow the directions for fitment carefully.

The child restraint system should be secured in conjunction with the vehicle's seat belt.

Secure the child in the restraint in accordance with the manufacturer's instructions.

If unsure about installing a child restraint anchor fitting, contact an approved restraint fitting station or a Holden Dealer.

Storage

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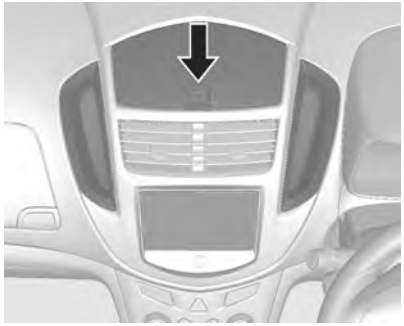
Storage compartments

Instrument panel storage



A storage compartment is located in the centre of the instrument panel.

- To open, pull the button downwards.

A storage compartment is located in the instrument panel, on the driver side.

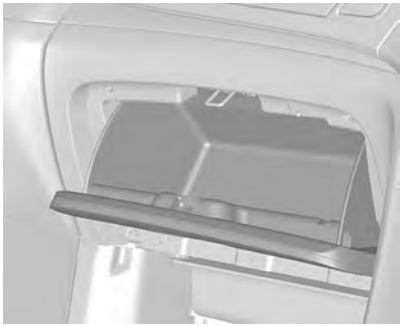
- To open, lift the handle upwards.

The storage compartment above the glove box has a USB port and an AUX input.

- To open, push the button. To close, push the lid firmly back into place.

See Audio players on page 95.

Glove box



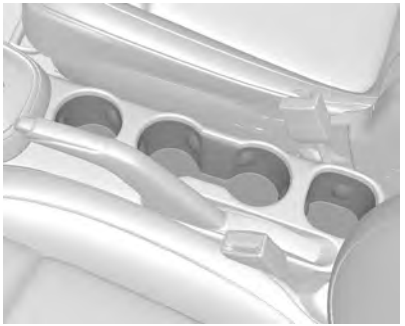
The glove box is located in the instrument panel, in front of the passenger's seat.

- To open, pull the handle towards you. To close, push the lid firmly back into place.

⚠Warning

To reduce the risk of injury, always keep the glove box door closed when driving.

Cup holders



Cup holders are located in the front console and rear armrest.

⚠Warning

To avoid scalding, never place hot drinks in the cup holders.

Do not place uncovered containers of liquid in the cup holder while the vehicle is in motion.

Sunglasses storage

The vehicle has a sunglasses holder located in the roof on the driver side.

- To open, fold downwards.

Note
Do not use for storing heavy objects.

Under seat storage

The vehicle may have under seat storage beneath the passenger's seat.

- To open, pull up on the front of the tray and pull towards the front of the vehicle.
- To close, push the tray towards the rear of the vehicle.

Loading information

⚠Danger

Do not stack objects higher than the front seats.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Serious injuries or death can result.

For folding down rear seatbacks, see Rear seats on page 35.

- Place all heavy objects in the load compartment as far forward as possible.
- Secure objects to prevent from sliding.

  Movement of heavy objects in the load compartment may change the handling of the vehicle.
- Ensure the backrests are securely engaged.
- Place heavier objects at the bottom.
- Do not place any objects on the load compartment cover or the instrument panel.
- Do not place unsecured objects in the interior.
- Do not drive with an open tailgate.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity.

  Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Roof rack system

- Distribute the load evenly and secure tightly with straps.
- When carrying loads on the roof rack (elevated load), avoid hard braking, abrupt swerving or sharp steering.

  Roof rack elevated loads alter the handling of a vehicle.

⚠Warning

The total elevated load, including the weight of the cross bars, must not exceed 75 kg. Distribute the load evenly.

Note

The weight of the cross bars and the load must be included when calculating the total vehicle load.

Instructions and controls

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Controls

Steering wheel adjustment

⚠Warning

Do not attempt to adjust the steering wheel while driving.

1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering wheel remote controls

The infotainment system and the cruise control may be operated by the controls on the steering wheel.

See Infotainment system on page 83.

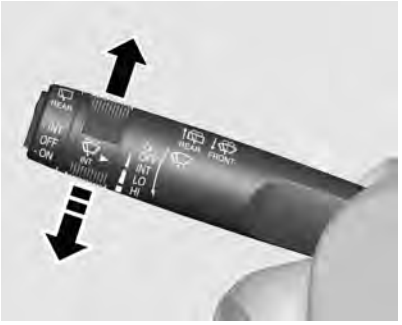
See Cruise control on page 152.

Horn

Press .

Windscreen wiper/washer

Windscreen wiper



To operate the windscreen wipers, turn the ignition on and move the windscreen wiper/washer lever downwards.

Caution
Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

1x: Misting function

OFF: Off

INT: Intermittent operation

LO: Continuous wipe, slow speed

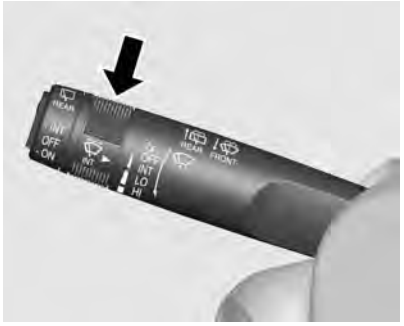
HI: Continuous wipe, fast speed

Misting function

To operate the windscreen wipers once during light rain or mist:

- Lightly lift the windscreen wiper/ washer lever up and release.
- The lever returns to its usual position when released.
- The wipers cycle once.

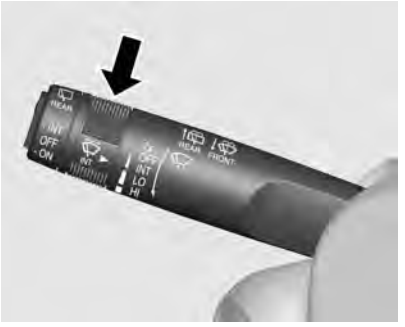
Adjustable wiper interval



During intermittent operation, adjust the frequency of the wiper intervals:

- For frequent intervals, rotate the wheel downwards.
- For longer intervals, rotate the wheel upwards.

Automatic wiper with rain sensor



The vehicle may have rain sensing windscreen wipers.

A sensor near the top centre of the windscreen detects the amount of water on the windscreen and controls the frequency of the windscreen wipers. Keep this area clear of debris for best system performance.

Caution

Switch off the rain sensor by setting the lever to the OFF position before entering a car wash.

Replace the wiper blades as soon as they do not completely remove water from the windscreen. If the blades are not replaced, the wipers may continue to wipe even though most of the screen is dry.

To prevent damage to the wiper blades, make sure that the windscreen is fully defrosted before switching on the rain sensor.

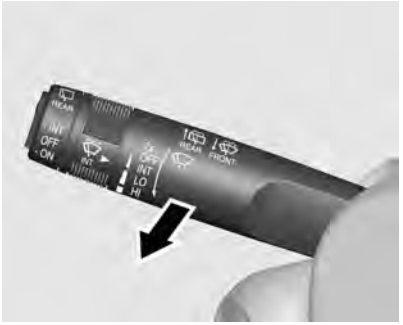
INT: The wipers cycle when water is detected on the windscreen.

The wiper speed and frequency are adjusted automatically.

To manually adjust the sensitivity of the rain sensing:

- Rotate the wheel downwards for low sensitivity.
- Rotate the wheel upwards for high sensitivity.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Caution

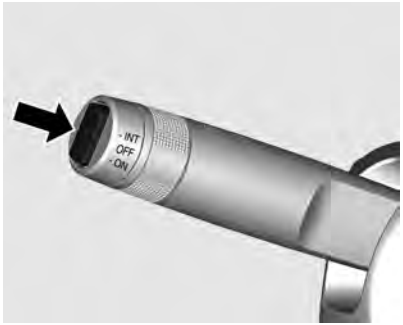
Do not operate the windscreen washer for more than a few seconds or when the washer fluid reservoir is empty.

⚠Warning

Do not spray washer fluid on the windscreen in freezing weather.

Rear window wiper/ washer

Wiper



To operate the rear window wiper, push the switch at the end of the lever.

INT: Intermittent wipes, push in at the top of the button.

OFF: To turn the wipers off, place the switch in the OFF position.

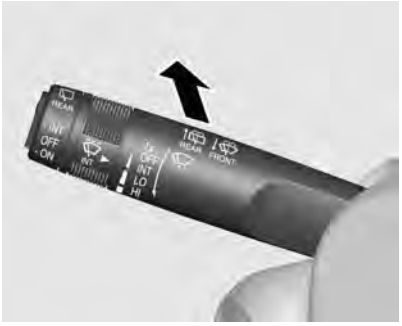
ON: Continuous wipes, push in at the bottom of the button.

Caution

Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

Do not operate the windscreen washer for more than a few seconds, or when the washer fluid reservoir is empty.

Washer



Push the lever forwards.

Washer fluid is sprayed onto the rear window and the wiper swipes for a few strokes.

Clock

Time and date are shown on the infotainment display.

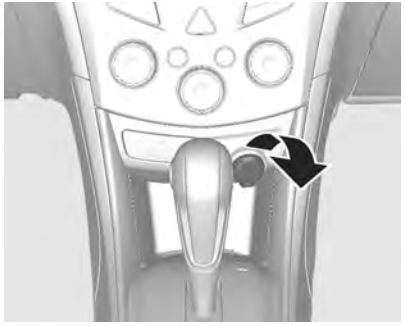
Adjust the settings for the time in the settings menu.

See Personalisation on page 113.

Power outlets

⚠Warning

It is dangerous for the driver of a vehicle to attach or remove accessories from the power sockets while driving. It may distract the driver's attention, putting the occupants of the vehicle and other road users at risk.

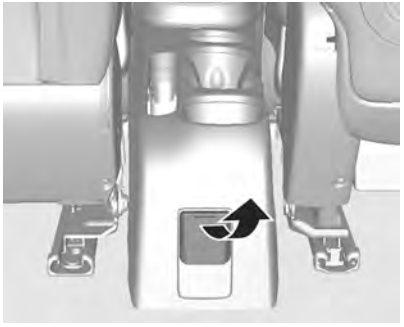


A 12V power outlet is located in the centre console.

The 12V power outlet operates when the ignition is turned to accessories/on. When the ignition is turned off, the 12V power outlet is deactivated when any door is opened or after 10 minutes.

- The 12V power outlet does not operate if the battery voltage is low.
- Do not exceed the maximum power consumption of 120 watts.
- Do not connect electrical charging devices or batteries.

230V power outlet



A 230V power outlet is located at the rear of the centre console.

⚠Warning

Sparks may occur when connecting or disconnecting devices.

Do not connect devices in the vicinity of flammable or explosive substances.

Disconnect any connected devices before starting the engine, to prevent damage.

The 230V inverter will not operate most appliances designed to produce heat, such as hair dryers, irons, toasters, heaters and coffee machines as these items drain high amounts of current in excess of 150 watts.

The 230V power outlet operates when the ignition is turned on and is deactivated when the ignition is turned off.

- The 230V power outlet does not operate if the battery voltage is low.
- Do not exceed the maximum power consumption of 150 watts.
- Do not connect electrical charging devices or batteries.

Warning lights, gauges and indicators

Speedometer

Shows vehicle speed in kilometres per hour (km/h).

Odometer

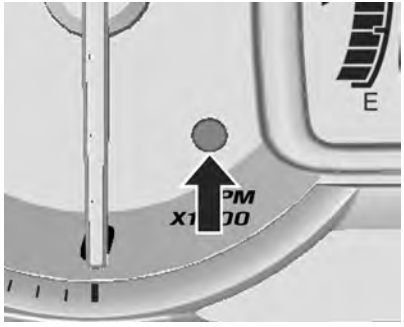
Shows distance travelled in kilometres.

- The tripmeter measures the distance travelled since the tripmeter was reset.
- Press the reset button briefly to change between odometer and tripmeter.

Note

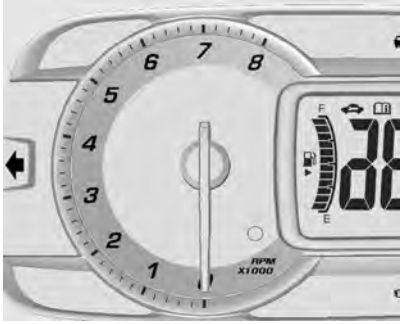
On some vehicles, Engine Oil Life System (EOLS) remaining oil life % will also be displayed when pressing the reset button briefly to change between displays.

See Engine oil life system on pages 70 and 210.



To reset the tripmeter to zero, press and hold the reset button for a few seconds while TRIP is displayed.

Tachometer



Shows engine speed in thousands of revolutions per minute (RPM).

Drive at a low engine speed/range for each gear, as much as possible.

⚠Warning

Do not allow the needle to remain in the warning/red zone.

Fuel gauge

Shows the level of fuel in the tank (**E** = empty, **F** = full).

Movement of the fuel within the fuel tank may cause the fuel gauge indicator to move when braking, accelerating or turning.

⚠Danger

Before refuelling, stop the vehicle and switch the engine off.

Service display

Control indicators

The vehicle may have the following indicators.

Indicators illuminate for a short time when the ignition is turned on to show that the light is working.

Red: danger, important reminder

Yellow: warning, information, fault

Green, **blue**, **white**: confirmation of activation

Note

Depending on vehicle variant, the instrument cluster appearance may differ.

Transmission display

Indicates the selected gear or transmission mode.

Turn signal

- Push the lever in the same direction the steering wheel is turned.
- ⇦⇨ flashes.

  ⇦⇨ also flashes when the hazard warning is activated.
- The turn signal will self cancel from larger turns.
- If ⇦⇨ flashes quickly, see Bulb replacement on page 177.

See Electrical system on page 182.

See Turn and lane change signals on page 79.

Seat belt reminders

: Driver's seat belt reminder

: Front passenger's seat belt reminder (if occupied)

When the ignition is turned to the ON position:

- or illuminates until the seat belt is fastened.

When the engine is running:

- or flashes for 100 seconds then illuminates until the seat belt is fastened.

If the vehicle reaches a specific distance or speed and the seat belt is unfastened, or will flash and the chime will sound for 100 seconds, or until the seat belt is fastened.

See Three point belt on page 39.

Airbag and belt tensioners light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light does not illuminate, does not extinguish after few seconds or illuminates while driving, there is a problem with the airbag or belt tensioner system.

⚠Warning

Have any fault in the airbag or belt tensioner system repaired immediately by a Holden Dealer.

See Airbag system on page 41.
See Belt tensioners on page 38.

Charging system light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, there is a problem with the charging system:

1. Stop and switch off the engine.
2. Contact a Holden Dealer.

Malfunction indicator light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while driving, there is a problem with the emission monitoring system. Contact a Holden Dealer.

Service vehicle soon light

The light illuminates when the vehicle requires a service.

Have the vehicle checked by a Holden Dealer immediately.

See Vehicle messages on page 68.

Brake system warning light

The (!) warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the (!) warning light does not extinguish or illuminates while driving and the park brake is released, there is a problem with the brakes:

- Stop the vehicle as soon as it is safe to do so.
- Check the brake fluid level. See Brake fluid on page 175. See Park brake on page 149.
- Do not proceed until satisfied that braking is possible or that the cause of the problem has been repaired.
- If necessary contact a Holden Dealer.

⚠Warning

Do not drive while the brake system warning light is on.

Antilock Brake System (ABS) warning light

The (ABS) warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the (ABS) warning light illuminates, there is a problem in the ABS.

Note

The vehicle's brake system remains operational but without ABS assistance. See Antilock Brake System (ABS) on page 148.

Contact a Holden Dealer.

Up-shift light

SHIFT illuminates to indicate when to shift to the next higher gear for best fuel economy.

See Manual transmission on page 147.

Descent Control System (DCS) light

The indicator light illuminates white when the system is on and green when DCS is activated.

See Descent Control System (DCS) on page 151.

Power steering warning light

The vehicle has electric power steering.

The **!** warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the **!** warning light does not extinguish after a few seconds, or if it illuminates while driving, there is a fault in the power steering.

Contact a Holden Dealer.

Park assist warning light

P illuminates for a short time when the ignition is turned on to show that the light is working.

If the light does not extinguish or if P illuminates when reverse gear is selected:

- The sensors may be dirty
- The sensors may be covered by ice or snow
- There may be ultrasonic wave interference

If the light does not extinguish, contact a Holden Dealer. See Park Assist (PA) on page 154.

Electronic Stability Control (ESC) light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

If the light flashes while driving, the ESC is actively helping the vehicle with road grip and stability.

If the light illuminates or does not extinguish while driving, contact a Holden Dealer immediately.

Electronic Stability Control (ESC) off light

The OFF indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

OFF illuminates when the ESC is deactivated.

See Electronic Stability Control (ESC) on page 150.

Traction Control System (TCS) off light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

illuminates when the TC is deactivated.

Engine temperature warning light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the light illuminates while driving, the engine coolant temperature is excessively hot:

- Stop the vehicle as soon as it is safe to do so.
- Let the engine idle for a few minutes.
- If the light remains on, contact a Holden Dealer.

⚠Warning

Do not continue driving with the temperature gauge needle in the red area. The engine is too hot.

Continued operation of an overheated engine will result in severe engine damage.

Engine oil pressure light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, the engine oil pressure or level is low:

- Stop the vehicle as soon as it is safe to do so.
- Turn the ignition off and remove the key.
- Check the engine oil level. See Engine oil on page 171.
- If necessary, contact a Holden Dealer.

Caution

Engine damage may result if you keep driving. Do not run the engine. If the oil level is normal, have the system checked by the nearest Holden Dealer.

Low fuel warning light

The indicator light illuminates when the fuel level is low:

Caution

To avoid damage to the catalytic converter, fill the fuel tank above the low fuel level.

See Catalytic converter on page 141.

Immobiliser light

The indicator light illuminates when there is a fault in the immobiliser system.

The engine cannot be started.

Contact a Holden Dealer.

Reduced engine power light

If and illuminate while driving, the engine's power is reduced.

1. Stop the vehicle as soon as it is safe to do so.
2. Switch the ignition off then restart after 10 seconds.

   The vehicle may be driven at a reduced speed.
3. Contact a Holden Dealer immediately.

High beam light

The indicator light illuminates when headlamp high beam is on.

See Headlamp high/low beam on page 78.

Daytime Running Lamps (DRL) light

The indicator light illuminates when the DRL are on.

See Daytime Running Lamps (DRL) on page 79.

Fog lamp light

The vehicle may have front fog lamps.

illuminates when the front fog lamps are on.

See Front fog lamps on page 80.

Tail lamp light

The indicator light illuminates when the tail lamps are on.

See Exterior lamp control on page 77.

Cruise control light

The indicator light illuminates white when the system is on and green when cruise control is activated.

See Cruise control on page 152.

Door ajar light

The warning light illuminates when any of the doors or the tailgate are not completely closed.

Information displays

Infotainment display

Displays the date, time, outside temperature and infotainment system information.

When the infotainment system is on, personalised settings are displayed.

See Personalisation on page 113.

Vehicle messages

Messages are displayed on the instrument cluster or audible as a warning chime.

Not all messages are displayed on all vehicles.

Settings can be changed in the personalisation menu. See Vehicle personalisation on page 75.

Warning codes

Some vehicle messages are displayed with code numbers and a 🕮 symbol.

Caution
Whenever a coded vehicle message is displayed, contact a Holden Dealer.

No.	Vehicle message
84	Engine power is reduced
89	Service vehicle soon
125	Compass calibration - drive in circles

Warning chimes

Warning chimes may be heard when starting the engine or while driving:

- If a seat belt is not fastened.
- If a certain speed is exceeded while the park brake is applied.
- If a warning code appears on the instrument cluster.

Warning chimes may be heard when the vehicle is parked and/or a door is opened:

- When the key is in the ignition switch/lock.
- When the exterior lamps are on.

Driver Information Centre (DIC)

The vehicle may have a Driver Information Centre (DIC) located in the instrument cluster.

The display may differ from that shown.

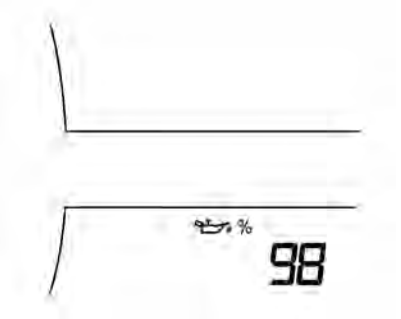
To select the settings menu, press **MENU**.

The following options may be available for selection:

- Engine oil life
- Compass zone setting
- Compass recalibration

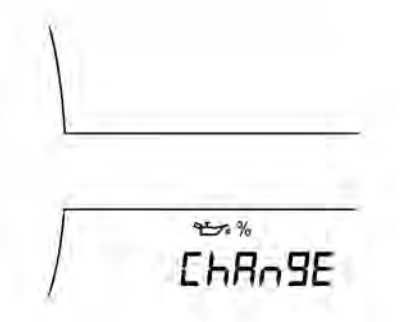
Rotate the adjuster wheel ⇳ to select.

Engine oil life



Displays an estimate of the oil's remaining useful life. This may only be displayed while the vehicle is stationary.

If the number 98 is displayed, it means 98% of the current oil life remains.

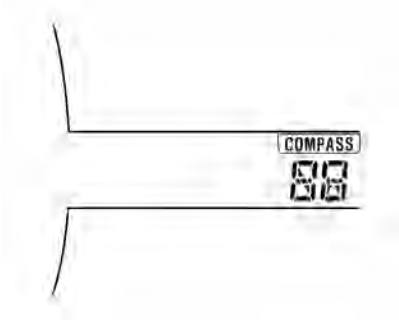


When the remaining oil life is low, the vehicle message Change (change engine oil soon) will display in the Driver Information Centre (DIC). The engine oil should be changed as soon as possible within the next 1,000 km.

After an engine oil change, the engine oil life system will be reset by your Holden Dealer.

See Engine oil life system on page 210.

Compass setting



Compass display

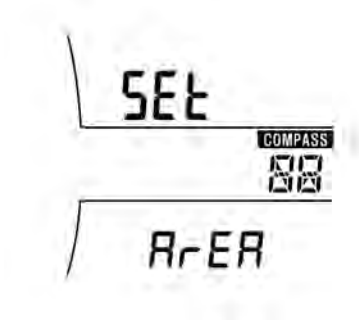
Displays the vehicle's driving direction (N, NE, E, SE,S, SW, W, NW).

Note

Whenever the DIC or the battery is disconnected, the DIC must be recalibrated.

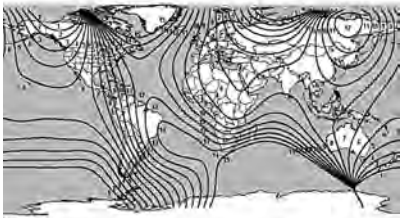
For the compass to function correctly, the vehicle must be driven through 360°.

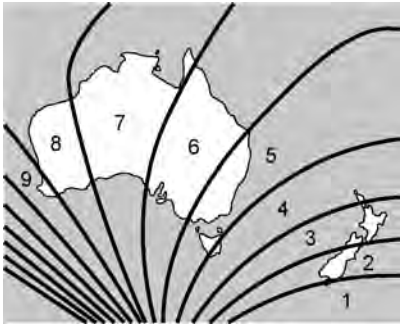
Compass zone setting



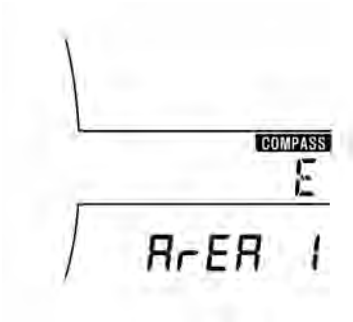
1. Press **SET/CLR** for a few seconds to set the compass zone.
2. Rotate the adjuster wheel ⇳ to select one of the settings.

Geographic zone (area)





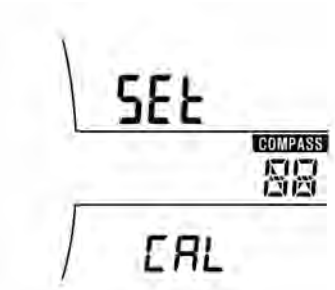
3. Select a zone (area) based on Geographic zones (area 1-15).



4. Press **SET/CLR to c**onfirm the selection.

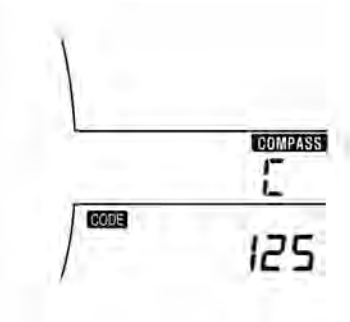
   After a few seconds, compass zone setting (set area) will display.

Compass recalibration



5. Press **SET/CLR** for a few seconds and drive through 360°.

   The compass flashes while driving.



When complete, learned direction will be displayed.

Compass recalibration will be displayed within 30 seconds.

Trip computer

The vehicle may have a trip computer located in the instrument cluster.

The display shows:

- Average speed
- Driving distance for remaining fuel
- Average fuel consumption
- Driving time

To select the trip computer menu, press **MENU**.

Rotate the adjuster wheel ⇳ to select the trip computer mode.

- Each time the adjuster wheel ⇳ is rotated, the mode changes in the following order:

  Average speed → Driving distance for remaining fuel → Average fuel consumption → Driving time → Average speed
- Some modes can be reset by pressing and holding **SET/CLR**.

Average speed

- Average speed is calculated from the last time the computer was reset.
- To reset, press and hold **SET/CLR**.

Driving distance for remaining fuel

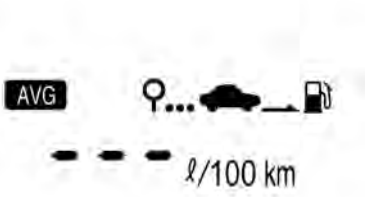
- Estimates driving distance to an empty fuel tank from the current fuel level.

The driving distance for remaining fuel may differ depending on:

- Driving conditions
- Driving pattern
- Vehicle speed

Note
Ensure the vehicle is refuelled while on level ground.

Average fuel consumption



- Average fuel consumption is calculated from the time the ignition is turned on.
- To reset, press and hold **SET/CLR**.

Driving time

- Indicates total driving time.
- Driving time is calculated from the last time the computer was reset.
- To reset, press and hold **SET/CLR** until a beep is heard.
- To start/stop, press **SET/CLR**.

Vehicle personalisation

The settings can be personalised using the infotainment system controls.

Note
Depending on the vehicle variant, some of the following functions may not be available.

Settings

When the infotainment system is on:

- Press ⌂.
- To change the settings, touch **settings**.
  The settings menu is displayed.

- To scroll through the list, touch ▲ or ▼.
- To make a selection, touch a setting.
- To return to the previous screen, touch ⮌.

The following menus can be displayed:

- Time and date settings
- Radio settings
- Connection settings
- Vehicle settings
- Language settings

Time and date settings

See Time and date settings on page 113.

Radio settings

See Radio settings on page 114.

Connection settings

See Connection settings on page 115.

Vehicle settings

- **Comfort and convenience**

  Chime volume: Change the volume of the warning chime.

  Personalization by driver:

  This allows the selection of the personalisation settings that are specific to each key.

  Auto wipe in reverse gear: Activate or deactivate the rear wiper while in reverse gear.

- **Collision/detection**

  Park Assist: Change the settings for Park Assist (PA). See Park Assist (PA), Deactivation on page 155.

- **Lighting**

  Exit lighting: Activate or deactivate the exit lighting and change the lighting duration.

- **Vehicle locator lights**: Turns headlamps and park lamps on when unlock is pressed.

- **Power door locks**

  Auto door lock: Activate or deactivate the auto door locking function, to occur after shifting out of P (park).

- **Lock, unlock settings**

  Remote unlock light feedback: Activate or deactivate the light feedback while unlocking.

  Remote lock light & horn feedback: Activate or deactivate the lights and/or horn feedback while locking.

  Remote door unlock: Change the configuration to unlock only the driver's door or all doors while unlocking.

  Relock remotely unlocked doors: This allows selection of automatically relocking all doors if the doors are unlocked but not opened, after approximately 3 minutes.

- **Rear camera option**

  Symbols: Select if object warning symbols are displayed.

  Guidelines: Select if guidelines to assist reversing are displayed.

- **Vehicle factory settings**

  All settings are restored to initial settings.

Language

Only English is available.

Lighting

Exterior lighting 77
Interior lighting 80
Lighting features 82

Exterior lighting

Exterior lamp control

⏻ (OFF): Rotate to turn all lamps and lights off.

AUTO: Exterior lamps and instrument panel lights turn on or off automatically, depending on the ambient light.

(Park lamps): Turns on the park lamps, number plate lamps and instrument panel lights.

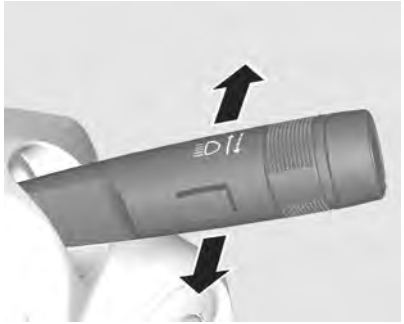
D (Headlamps): Turns on the headlamps and all park lamps.

Automatic light control

When the lamp control is in the AUTO position, the exterior lamps and instrument panel lights automatically switch on according to ambient light.

- To turn automatic lighting off, rotate to ⏻.

Headlamp high/low beam



To activate high beam:

1. Turn the headlamps on.
2. Push the lever forwards.

   The high beam indicator lamp ≡D illuminates on the instrument cluster.

To return to low beam:

1. Pull the lever rearwards.

⚠Warning

Always switch the headlamps to low beam when vehicles are approaching or when following another vehicle.

To flash the high beam lamps:

1. Pull the lever towards the rear of the vehicle and release.

   The lamps stay on for as long as the lever is held.

Headlamp range adjustment

Adjust the headlamp range according to the vehicle load, to ensure illumination of the road ahead.

Rotate to the recommended position:

0: Front seats occupied

1: All seats occupied

2: All seats occupied and load compartment laden

3: Driver seat occupied and load compartment laden

Daytime Running Lamps (DRL)

The DRL illuminate when the following occur:

- During daylight conditions
- The engine is running
- The fog lamps are off
- The park brake is off (manual transmission)
- The transmission is out of P (park)

Note
The DRL cannot be switched off when the above conditions are met.

Hazard warning flashers

Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

All turn signals flash continuously.

Use the hazard warning flasher if the vehicle becomes a traffic hazard, day or night.

Note
Using hazard warning flashers while the vehicle is moving, is illegal in some States and Countries.

Turn and lane change signals

1. Push the lever in the direction the steering wheel is turned.

   A green arrow on the instrument cluster flashes when the lamps are in operation.

For three flashes, e.g. when changing lanes:

1. Push the lever until the point of resistance, then release.

Front fog lamps

The vehicle may have front fog lamps.

To turn the front fog lamps on:

- Press ⥽D.

  ⥽D illuminates on the instrument cluster.

To turn the front fog lamps off:

- Press ⥽D again.

Reversing lamps

The reversing lamps illuminate when the ignition is on and reverse gear is engaged.

Misted lamp covers

Caution
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Interior lighting

Instrument panel illumination

To adjust the instrument panel lighting, rotate ☼ until the desired level is reached.

Interior lamps

Courtesy lamps

Front

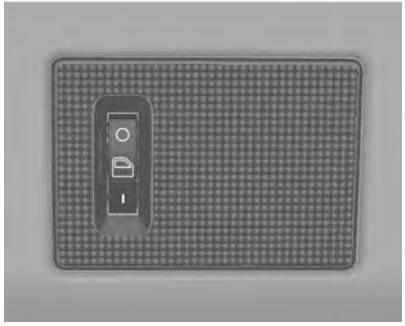
Press the rocker switch:

(Off): Remains off when doors are opened or closed.

: Automatically switches on when a door is opened and turns off after doors are closed.

(On): Remains on when doors are opened or closed.

Rear



Press the rocker switch:

○ (Off): Remains off when doors are opened or closed.

: Automatically switches on when a door is opened and turns off after doors are closed.

I (On): Remains on when doors are opened or closed.

Note

To prevent the battery from discharging, turn the lamp off when the engine is not running.

⚠Warning

Do not leave the courtesy lamp on while driving in the dark.

Sun visor lamps

The vehicle may have lamps at either side of the mirror.

The lamps turn on and off automatically when the cover is opened and closed.

Lighting features

Entry lighting

Headlamps, side lamps, tail lamps and interior lamps switch on for a short time when unlocking the vehicle.

The lighting switches off when the ignition is turned to the accessories position.

Activation or deactivation can be changed in the vehicle settings menu. See Vehicle personalisation on page 75.

Exit lighting

Set the headlamps, side lamps and tail lamps to illuminate the way, after leaving the vehicle.

Activation, deactivation and duration of lighting can be changed in the vehicle settings menu. See Vehicle personalisation on page 75.

The headlamps must be in Auto mode.

1. Switch the ignition off.
2. Remove the ignition key.

If activated, the lighting remains on for the set duration.

Battery power protection

To prevent the battery from discharging, lamps are switched off automatically 10 minutes after the ignition is turned off.

Infotainment system

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Personalisation 113
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Bluetooth® phone 118

Introduction

General information

Do the following before driving:

- Read the infotainment system section to become familiar with the functions.
- Set up the audio by presetting favourite stations, setting the tone and adjusting the speaker settings.

About the system

⚠Warning

When driving the vehicle, be sure to keep the volume of the unit set low enough to hear sounds from outside the vehicle (e.g. road and traffic conditions).

Caution

Do not place beverages close to the audio system.

Do not strike or allow anything to impact the audio system.

Damage to the system mechanisms could occur.

Theft-deterrent feature

The infotainment system is equipped with an electronic security system for the purpose of deterring thefts.

Overview

Become familiar with the hard keys on the faceplate and touch-sensitive screen buttons.

- Press, refers to hardkeys.
- Touch, refers to screen buttons.

Display

1. Information display
2. Volume buttons
3. Power button
4. Home button

Steering wheel remote controls

5. Mute/hang up button:

   Mute: Press when the power is on.

   Bluetooth®: Press to reject or end calls or to end the mobile phone's speech recognition mode.

6. Call button

   Press to answer the call or enter the redial selection mode.

   If the mobile phone supports speech recognition, press and hold the button.

Note

If a Bluetooth® device has not been paired to the infotainment system, Bluetooth® device connection is initiated.

7. Source button/control:

   Press to select another audio source.

   Rotate to play the previous or next preset radio station, file or song.

   Rotate and hold to fast rewind or fast forward or search for a radio station. Release to return to normal playback.

8. Volume buttons:

   Press **+** to increase the volume.

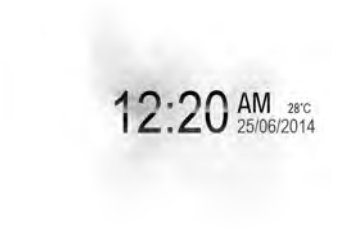
   Press **–** to decrease the volume.

Operation

Power on/off

- To turn the infotainment system on, press and hold ⏻ (3).

  The previous mode will be displayed.
- To turn the infotainment system off, press and hold ⏻ (3).



Time, date and temperature are displayed.

Note
The temperature is only displayed when the ignition is turned on.

Automatic on/off

If the vehicle was turned off with the infotainment system on, the infotainment system turns on automatically the next time the ignition key is placed in the ACC or ON position.

When the ignition key is in the OFF position when a door is opened, the infotainment system switches off automatically.

Note
While the ignition is off, if the infotainment system is turned on by pressing and holding ⏻ (3), it will automatically turn off 10 minutes from the last operation.

Volume control

- To adjust the volume, press ∨ or ∧ (2).

The sound volume is indicated on the display.

- Alternatively, press **+** or **-** on the steering wheel remote controls.
- When turning the infotainment system on, the volume level will be set to its previous selection (when it is less than the maximum starting volume). Refer to Max startup volume on page 117.

- If the volume level is louder than maximum starting volume level when the infotainment system is turned on, the level is adjusted automatically to the maximum starting volume level.

Mute

- To mute the sound, press ∨ or ∧ (2) then touch ◁.
- To mute off, touch ◁.

- Alternatively, press ◁ on the steering wheel remote controls.

Auto volume control

The volume of the infotainment system adjusts depending on the vehicle's speed.

As the vehicle's speed increases, the volume of the infotainment system also increases to compensate for the driving noise.

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **radio settings**.

   auto volume is displayed.

4. Touch < or > to select Off, Low, Medium or High.

Using the HOME menu

1. Press ⌂ (4).

2. Select from the following menu.

- Touch **audio** to select FM/AM, USB storage device, iPod®, Bluetooth® music or auxiliary sound.
- Touch **picture & movie** to view a picture, movie or auxiliary video.
- Touch **phone** to activate phone features (if connected).

- Touch **smartphone link** to activate an application through a connected smartphone.
- Touch **settings** to enter the system setup menu.

Selecting function

Audio

1. Press ⌂ (4).
2. Touch **audio**.

3. Touch **Source ▼**.
   Touch **AM** to select AM radio.
   Touch **FM** to select FM radio.
   Touch **USB** to select USB.
   Touch **AUX** to select an auxiliary source.
   Touch **Bluetooth** to play Bluetooth® music.
   Touch **iPod** to select iPod® or iPhone®.
4. Touch ⮌ to return to the HOME menu.

Note
If a USB, iPod®, Bluetooth® or other auxiliary device is not connected to the infotainment system, the function is greyed-out/not listed and is not available.

See Radio on page 90.

See Audio players on page 95.

Picture and movie

1. Press ⌂ (4).
2. Touch **picture & movie**.

3. Touch **Source ▼**.

   Touch **USB (picture)** to view picture files from a USB storage device or a device which supports MTP. See MTP (Media Transfer Protocol) player on page 99.

   Touch **USB (movie)** to view movie files from a USB storage device or a device which supports MTP. See MTP (Media Transfer Protocol) player on page 99.

   Touch **AUX (movie)** to view movie files from an auxiliary video (AUX) device.
4. Touch ⮌ to return to the HOME menu.

Note

- If a USB storage device containing picture or movie files, or an AUX device is not connected to the infotainment system, the function is greyed-out and is not available.
- Movies are not available while the vehicle is in motion.

See Picture system on page 102.

Phone

1. Connect a Bluetooth® phone to the infotainment system.
2. Press ⌂ (4).
3. Touch **phone**.

4. Touch ⮌ to return to the HOME menu.

Note

See Pairing and connecting a Bluetooth® device on page 118.

Smartphone link

1. Install the smartphone application on the smartphone.
2. Connect the smartphone through the USB port or Bluetooth®.
   - iPhone®: USB connection.
   - Android phone: Bluetooth® wireless technology.
3. Press ⌂ (4).
4. Touch **smartphone link**.

   Note Not all regions support this function.

5. Touch ⮌ to return to the HOME menu.

See Smartphone link on page 127.

Settings

1. Press ⌂ (4).
2. Touch **settings**.

See Personalisation on page 113.

Radio

AM-FM radio

1. Press ⌂ (4).
2. Touch **audio**.

3. Touch **Source ▼**.
4. Touch **FM** or **AM**.

   The last station is displayed.
5. Touch ⮌ to return to the HOME menu.

Automatic station search

To automatically search for available radio stations with clear reception:

- Touch ⏮ or ⏭.
- Touch and drag left or right of the radio station.
- Rotate and hold △ or ▽ on the steering wheel remote controls.

Manual station search

1. Touch ◄ or ► repeatedly.

   Note
   The radio tune bar must be turned off.

Using the preset buttons

Saving a preset

1. Select **FM** or **AM**.
2. Tune to a radio station.

3. Touch < or > to select a favourite preset page.
4. Touch and hold any of the preset buttons to save.

Note

- Up to seven favourite pages can be saved and each page can store up to five radio stations.
- To change a preset, tune to another radio station and, touch and hold the button to save.

Listening using a preset

To select a favourite preset page:

1. Touch < or > repeatedly.
2. Touch a preset button.

Autostore

Radio stations with the best reception quality can be stored automatically:

1. Select **FM** or **AM**.
2. Touch **AS**.
3. Touch and hold **AS** to update the FM/AM autostore stations.

To listen to an AS station:

1. Select FM or AM.
2. Touch **AS**.
3. Touch < or > to select an autostore page.
4. Touch a preset button.

Note

If AS is pressed when there are no stored radio stations, the FM/AM autostore will be updated.

Viewing station information

1. Touch the radio station.

The available radio station information, including frequency, is displayed.

Using the FM/AM radio menu

1. Select **FM** or **AM**.
2. Touch **MENU**.

3. Touch a menu item to make a selection or to view more details.
4. Touch ⮌ to return to the previous menu.

Favourite list

1. Select **FM** or **AM**.
2. Touch **MENU**.
3. Touch **favorite list**.

4. Touch ▲ or ▼ to scroll through the list.
5. Touch a radio station to make a selection.

FM/AM station list

1. Select **FM** or **AM**.
2. Touch **MENU**.
3. Touch **FM station list** or **AM station list**.

4. Touch ▲ or ▼ to scroll through the list.
5. Touch a radio station to make a selection.

Update the FM/AM station list

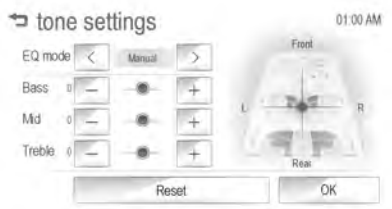
1. Select **FM** or **AM**.
2. Touch **MENU**.
3. Touch **update FM station list** or **update AM station list**.

The station list is updated.

4. Press **Cancel** to stop saving changes.

Tone settings

1. Select **FM** or **AM**.
2. Touch **MENU**.
3. Touch **tone settings**.



- EQ (equaliser): Touch < or > to select or turn off the sound style (Manual ⇆ Pop ⇆ Rock ⇆ Country ⇆ Classical ⇆ Talk).

  Note In some variants, Manual and Talk may be the only available options.
- Touch **-/+** to adjust the sound style manually.
- Bass: Adjust the bass level from -12 to +12.
- Mid (midrange): Adjust the midrange level from -12 to +12.
- Treble: Adjust the treble level from -12 to +12.
- Fader: Adjust the front/rear speaker balance by touching and dragging the dot in the vehicle interior image.
- Balance: Adjust the left/right speaker balance by touching and dragging the dot in the vehicle interior image.
- Reset: Restore the settings back to the default settings.

4. Press **OK** to store.

Fixed mast antenna

- To remove the roof antenna, rotate it anticlockwise.
- To install the roof antenna, rotate it clockwise.

Caution
Remove the antenna before entering an area with a low ceiling or an automatic car wash. Damage may occur to the antenna or the roof panel.

Audio players

Audio/picture/ movie/auxiliary device system

Cautions when using MP3/WMA/OGG/WAV files

- This product can play music files with .mp3, .wma, .ogg, .wav file name extensions.
- While this product can play files with 8kbps ~ 320kbps bit rate, files with a bit rate above 128kbps will result in higher quality sound.
- ID3 Tag information (version 1.0, 1.1, 2.2, 2.3 or 2.4) for MP3 files such as the album name and the artist.

Cautions when using a USB storage device, iPod® or iPhone®

- Operation cannot be guaranteed if the HDD, USB mass storage device, CF or SD memory card is connected using a USB adaptor.
- Avoid static electricity when connecting or disconnecting the USB. Avoid connecting and disconnecting repeatedly over a short time.
- Operation is not guaranteed if the connecting terminal of the USB device is not metal.

Caution
In rare cases, a USB stick (thumb drive) may not be recognised by the system or may cause a malfunction.

- Avoid touching the USB connecting terminals with any objects or fingers.

- The USB storage device can only be recognised when it is formatted in FAT16/32, exFAT file system.
- Depending on the type and capacity of the USB device and the type of stored files, the time it takes to recognise the files may differ.
- Do not disconnect the USB storage device while it is being played. This may damage the product or affect the performance of the USB device.
- Disconnect the USB device when the vehicle is turned off. If the ignition is turned on while the USB storage device is connected, the device may become damaged or may not operate normally in some cases.
- A USB device can only be connected for the purpose of playing music, movies, viewing photo files or upgrading.

Caution

The USB port should not be used to charge USB accessory equipment as the heat generation using the USB terminal may cause performance issues or damage to the product.

- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This product can support USB storage devices that contain 2,500 music files, 2,500 photo files, 250 movie files, 2,500 folders and 10 stages of folder structure.

  Normal usage cannot be guaranteed for storage devices that exceed this limit.
- Some iPod® or iPhone® models may not support all functionality of the infotainment system.
- An iPod® or an iPhone® can play all music files supported.

  Music file lists display up to 2,500 files on the screen in alphabetical order.
- Only connect an iPod® or iPhone® to the USB port with connection cables supported by iPod® and iPhone® products.
- When an iPod® or iPhone® is connected to the USB port using an iPod®/iPhone® cable, Bluetooth® music is not supported.
- To play a movie file, connect an iPod® or iPhone® to the AUX input by using an AUX cable for an iPod®/iPhone®.

  When an iPod® or iPhone® is connected to the USB port, movie files will not play.
- Playing order, method and information, displayed on the infotainment system may differ from information displayed on the iPod® or iPhone®.

Connecting a USB device

1. Open the cover located above the glove box.
2. Connect the USB to the USB port.

Audio system

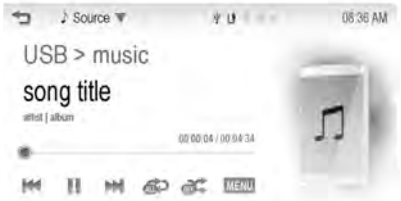
Music files contained on a USB storage device, iPod® or iPhone® can be played on the infotainment system.

USB port

Connect a USB storage device (or a device which supports MTP) containing music files to the USB port. See Connecting a USB device on page 97 and MTP (Media Transfer Protocol) player on page 99.

Note

- Once reading of the USB storage device is complete, it will play automatically.
- If a non-readable USB storage device is connected, an error message will be displayed and the previously used mode or FM radio will play.



If the USB storage device is already connected to the infotainment system:

1. Press ⌂ (4).
2. Touch **audio**.
3. Touch **Source ▼**.
4. Touch **USB**.

Ending USB music playback

1. Touch **Source ▼**.
2. Select another mode by touching AM, FM, AUX or Bluetooth®.
3. Remove the USB storage device.

Pause

- Touch **II** during play.
- Touch ► to resume play.

Playing the next track

- Touch ⏭ to play the next track.

Playing the previous track

- Touch ⏮ within 5 seconds of play.

Returning to the beginning of the current track

- Touch ⏮ after 5 seconds of play.

Scanning forward or backward

- Touch and hold ⏭ or ⏮ during play.
- Release the button to resume play at normal speed.

Playing tracks repeatedly

- Touch during play:

  1: Plays the current track repeatedly.

  ALL: Plays all tracks repeatedly.

  OFF: Returns to normal play.

Playing tracks randomly

- Touch during play:

  ON: Plays all tracks randomly.

  OFF: Returns to normal play.

Viewing information on a playing track

- Touch the title during play.

- Available information displayed may include the title, artist, album, file name and folder name.
- Incorrect information cannot be modified or corrected.
- Some symbols or unavailable languages may be displayed as □.

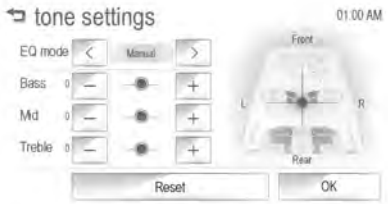
Using the USB music menu

1. Touch **MENU** during play.

   The number of songs in each play mode is displayed.
2. Touch the desired play mode.

Tone settings

1. Touch **MENU** during play.
2. Touch ▲ or ▼ to scroll through the list.
3. Touch **tone settings**.

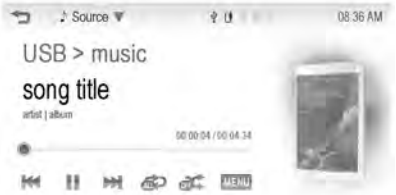


For further information, see Tone settings on page 94.

MTP (Media Transfer Protocol) player

To play music files from a device that supports MTP, connect the device to the USB port.

- When the audio system finishes reading the information on the device, it will play automatically.
- If a non-readable device that supports MTP is connected, an error message will display and the audio system will switch to the previously used mode.



Note

- File loading may take a few minutes depending on the type of phone or the number of files/ folders stored on the phone.
- MTP player operation is the same as the USB menu operation.

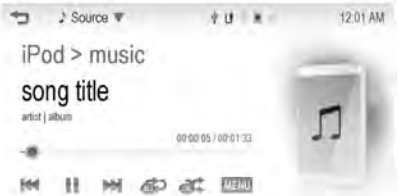
  See Audio players on page 95.

iPod®/iPhone® player

Connect an iPod® or iPhone® containing music files to the USB port. See Connecting a USB device on page 97.

Note

- Once reading of the iPod® or iPhone® is complete, it will play automatically.
- If a non-readable iPod® or iPhone® is connected, an error message will be displayed and the previously used mode or FM radio will play.



If the iPod® or iPhone® is already connected:

1. Press ⌂ (4).
2. Touch **audio**.
3. Touch **Source ▼**.
4. Touch **iPod** to play from the iPod® or iPhone®.

Ending iPod®/iPhone® playback

1. Touch **Source ▼**.
2. Select another mode by touching AM, FM, AUX or Bluetooth®.
3. Remove the iPod®/iPhone® device.

Pause

- Touch **II** during play.
- Touch ► to resume play.

Playing the next track

- Touch ⏭ to play the next track.

Playing the previous track

- Touch ⏮ within 2 seconds of the start of the track.

Returning to the beginning of the current track

- Touch ⏮ after 2 seconds of the start of the track.

Scanning forward or backward

- Touch and hold ⏭ or ⏮ during play.
- Release the button to resume play at normal speed.

Playing tracks repeatedly

- Touch OFF during play:

  1: Plays the current track repeatedly.

  ALL: Plays all tracks repeatedly.

  OFF: Returns to normal play.

Playing tracks randomly

- Touch OFF during play:

  ON: Plays all tracks randomly.

  OFF: Returns to normal play.

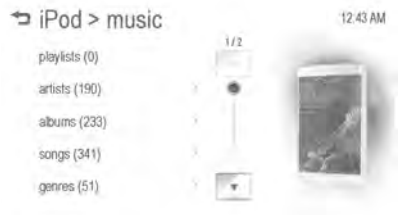
Viewing information on a playing track

- Touch the title during play.

- Available information displayed may include the title, artist and album.
- Incorrect information cannot be modified or corrected.
- Some symbols or unavailable languages may be displayed as □.

Using the iPod® music menu

1. Touch **MENU** during play.



   The number of songs in each play mode is displayed.
2. Touch the desired play mode.

Tone settings

1. Touch **MENU** during play.
2. Touch ▲ or ▼ to scroll through the list.
3. Touch **tone settings**.

For further information, see Tone settings on page 94.

Picture system

Picture files stored on a USB storage device or a device which supports MTP, can be viewed on the infotainment system screen. See MTP (Media Transfer Protocol) player on page 99.

Cautions when using picture files

- File size:

  JPG: within 64 to 5,000 pixels (width), within 64 to 5,000 pixels (height).

  BMP, PNG, GIF: within 64 to 1,024 pixels (width), within 64 to 1,024 pixels (height).
- This product can view picture files with: .jpg, .bmp, .png, .gif file extensions (animated GIF not supported).
- Some files may not be viewed due to file format or the condition of the file.

Viewing a picture

Connect a USB storage device containing picture files to the USB port. See Connecting a USB device on page 97.

1. Press ⌂ (4).
2. Touch **picture & movie**.
3. Touch **Source ▼**.
4. Touch **USB (picture)**.

The picture is displayed.

5. Touch the screen to hide/show the control bar.
6. Touch the screen again to return to the previous screen.

An alert may be displayed.

Viewing a slide show

1. Touch .

   The slide show begins.
2. Touch the screen to cancel the slide show.

Viewing a previous or next picture

1. Touch ⏮ or ⏭.

Rotating a picture

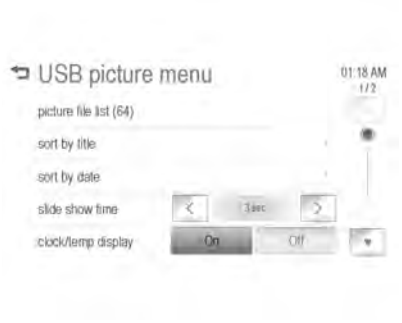
1. Touch ↺ or ↻.

Enlarging a picture

1. Touch Q^x1 to enlarge the picture.

Using the USB picture menu

1. Touch **MENU**.



   The USB picture menu is displayed.

2. Touch to select.

   picture file list: Displays the list of available picture files.

   sort by title: Displays pictures in alphabetical order.

   sort by date: Displays pictures in date order.

   slide show time: Select the slide show interval.

   clock/temp display: To display the clock and temperature on the full screen, select On or Off.

   display settings: Adjust the brightness and contrast.

3. When complete, touch ⮌.

Movie system

Movie files stored on a USB storage device can be viewed on the infotainment system screen.

Cautions when using movie files

- Available resolution: within 720 x 576 (w x h) pixels
- Frame rate: less than 30 fps
- Playable movie file: .avi, .mpg, .mp4, .divx, .xvid, .wmv

  A movie file may not always be played depending on the Codec format.
- Playable subtitle format: .smi
- Playable Codec format: divx, xvid, mpeg-1, mpeg-4 (mpg4, mp42, mp43), wmv9 (wmv3)
- Playable audio format: MP3, AC3, AAC, WMA.
- Music files to which DRM (Digital Right Management) is applied cannot be played.

Playing a movie file

Connect a USB storage device containing movie files to the USB port. See Connecting a USB device on page 97.

1. Press ⌂ (4).
2. Touch **picture & movie**.
3. Touch **Source ▼**.
4. Touch **USB (movie)**.

The movie begins to play.

5. Touch the screen to hide/show the control bar.
6. Touch the screen again to return to the previous screen.

Note
Movies are not available while the vehicle is in motion.

Pause

- Touch **II** during play.
- Touch ► to resume play.

Playing the next movie

- Touch ▶| to play the next movie.

Playing the previous movie

- Touch |◀ within 5 seconds of the start of play.

Returning to the beginning of the current movie

- Touch |◀ after 5 seconds of play.

Scanning forward or backward

- Touch and hold ▶| or |◀ during play.
- Release the button to resume play at normal speed.

Viewing to full screen

1. Touch ⛶.
2. Touch the screen to return to the previous screen.

Using the USB movie menu

1. Touch **MENU**.

   The USB movie menu is displayed.
2. Touch to select.

   movie file list: Displays the list of available movie files.

   clock/temp display: To display the clock and temperature on the full screen, select On or Off.

   display settings: Adjust the brightness and contrast.

   tone settings: Adjust the sound setup. See Tone settings on page 94.
3. When complete, touch ⮌.

Subtitle language

The movie may have subtitles.

1. Touch ◄.

Note
Subtitle language is available only if supported by the movie file.

2. Touch < or >.
3. Touch ►.

Note

- Select from the subtitle languages supported by the DivX® movie file.
- The subtitle language can be turned on or off.
- Subtitle format: .smi. The subtitle file name should be same as the movie file name.

Audio language

The movie may have selectable audio languages.

1. Touch ◄.

Note

Audio language is available only if supported by the movie file.

2. Touch < or >.
3. Touch ►.

Note

- Select from the subtitle languages supported by the DivX® movie file.
- The subtitle language can be turned on or off.

Auxiliary device system

Music and movie files stored on an auxiliary device can be played on the infotainment system.

Connecting an auxiliary device

1. Open the cover located above the glove box.
2. Connect to the AUX input using the appropriate cable.

Types of AUX cables

- 3-pole cable: AUX cable for audio.

- 4-pole cable: AUX cable for movies. AUX cable for iPod®/ iPhone®.

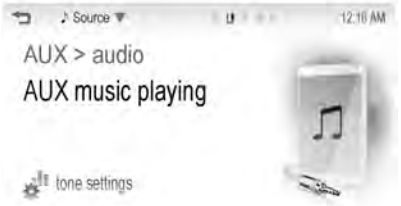
Playing from an auxiliary device

Connect the auxiliary device containing music files to the AUX input. See Connecting an auxiliary device on page 108.

- Once connected, it will play automatically.
- The auxiliary device is used to control the playback of the content stored or available.

If the auxiliary device is already connected:

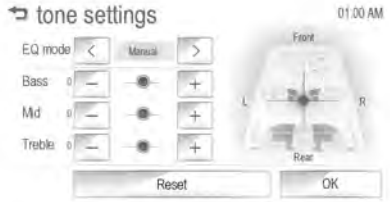
1. Press ⌂ (4).
2. Touch **audio**.
3. Touch **Source ▼**.
4. Touch **AUX**.



AUX music playing is displayed.

Tone settings

1. Touch **tone settings** during play.

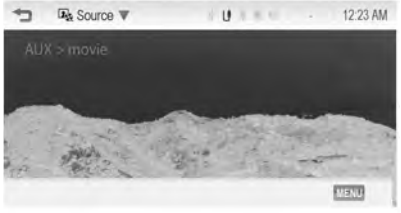


For further information, see Tone settings on page 94.

Playing a movie from an auxiliary device

Connect the auxiliary device containing movie files to the AUX input. See Connecting an auxiliary device on page 108.

1. Press ⌂ (4).
2. Touch **picture & movie**.
3. Touch **Source ▼**.
4. Touch **AUX (movie)**.



- The auxiliary device is used to control the content stored or available.

Note
When using an iPod® or iPhone®, connect to the AUX input using the AUX cable for an iPod®/iPhone® to play a movie file. See Types of AUX cables on page 108.

Note
Movies are not available while the vehicle is in motion.

Using the AUX movie menu

1. Touch **MENU**.

   The AUX menu is displayed.
2. Touch to select:

   tone settings: Adjust the sound setup. See Tone settings on page 94.

   clock/temp display: To display the clock and temperature on the full screen, select On or Off.

   display settings: Adjust the brightness and contrast.
3. When complete, touch ⮌.

Bluetooth® music

General information

Music may be played from a Bluetooth® device/Bluetooth® phone.

The Bluetooth® device must first be paired with the infotainment system. See Bluetooth® phone on page 118.

- Bluetooth® music may not be supported depending on the mobile phone or Bluetooth® device.
- Supported profiles: HFP, A2DP, AVRCP, PBAP
- The infotainment system should be connected to the Bluetooth® device as a stereo headset. Set the Bluetooth® device type on the phone.

  ♪ is displayed if successfully connected as a stereo headset.
- Music from the Bluetooth® device is delivered through the infotainment system.
- If the Bluetooth® device is disconnected while music is playing, playback is stopped.
- Bluetooth® streaming is not available when a Bluetooth® hands-free phone is in use.
- For Bluetooth® music to play, the music must be played at least once from the music player mode of the Bluetooth® device after connecting as a stereo headset.

  After being played at least once, the music player will automatically play upon entering play mode and will automatically stop when the music player mode ends.
- If the Bluetooth® device is not in the waiting screen mode, some devices may not automatically play in Bluetooth® music play mode.
- Do not change the track too quickly when playing Bluetooth® music. It takes some time to transmit data from the Bluetooth® device to the infotainment system.
- The Infotainment system transmits the order to play from the Bluetooth® device in the Bluetooth® music play mode. If this is done in a different mode, then the device transmits the order to stop. Depending on the Bluetooth® device's options, this order to play/stop may some take time to activate.
- Sometimes, sounds may be cut off during the Bluetooth® music playback.

Playing Bluetooth® music

1. Press ⌂ (4).
2. Touch **audio**.
3. Touch **Source ▼**.
4. Touch **Bluetooth**.

Bluetooth music is displayed.

Pause

- Touch ▶II during play.
- Touch ▶II to resume play.

Playing the next track

- Touch ⏭ to play the next track.

Playing the previous track

- Touch ⏮ within 2 seconds of the start of the track.

Returning to the beginning of the current track

- Touch ⏮ after 2 seconds of the start of the track.

Scanning forward or backward

- Touch and hold ⏮ or ⏭ during play.

Playing tracks repeatedly

- Touch during play:

  1: Plays the current track repeatedly.

  ALL: Plays all tracks repeatedly.

  OFF: Returns to normal play.

Playing tracks randomly

- Touch during play:

  ON: Plays all tracks randomly.

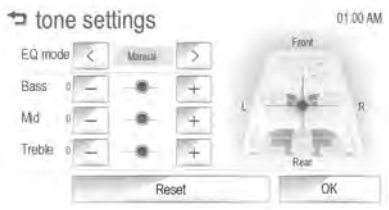
  OFF: Returns to normal play.

Note

Not all functions are supported by all Bluetooth® devices.

Tone settings

1. Press during play.

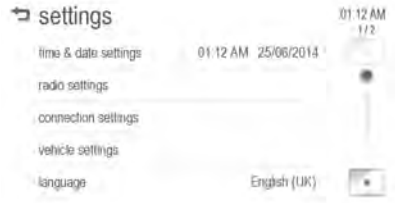


For further information, see Tone settings on page 94.

Personalisation

The infotainment system settings can be personalised.

1. Press ⌂ (4).
2. Touch **settings**.



The settings menu is displayed.

3. Touch to select.

Time and date settings

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **time & date settings**.

The time & date settings menu is displayed.

4. Touch to select.

   set time format: Select 12 hr or 24 hr time display.

   set date format: Set the date display format:

   - YYYY/MM/DD: 2014/12/31
   - DD/MM/YYYY: 31/12/2014
   - MM/DD/YYYY: 12/31/2014

   set time and date: Manually set the current hours, minutes and year/month/date by touching ∧ or ∨.

5. Touch ⮌ to return to the previous menu.

Radio settings

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **radio settings**.

   The radio settings menu is displayed.

4. Touch to select.

   auto volume: The volume adjusts depending on the vehicle's speed. Select Off, Low, Medium or High.

   radio favourites: Select the number of AM/FM favourites (FAV) pages to display.

   radio tune bar: View the radio station tuning bar for selecting a radio station. Select On or Off.

   radio text: Select On or Off to display radio station text when available.

   radio factory settings: Restore the settings back to the default settings.

5. Touch ⮌ to return to the previous menu.

Connection settings

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.

The connection settings menu is displayed.

4. Touch to select.

   bluetooth settings: Select the bluetooth settings menu:

   - **pair device**: Select a device and connect, separate or delete.
   - **change PIN code**: Manually change or set a PIN code.
   - **discoverable**: To initiate the Bluetooth® connection from a Bluetooth® device, select On.
   - **device info**: Check the device information.

   change ringtone: Select a ringtone.

   ringtone volume: Change the ringtone volume.
5. Touch ⮌ to return to the previous menu.

Vehicle settings

When the ignition is on and the vehicle is stationary, settings can be changed in the vehicle settings menu. See Vehicle personalisation on page 75.

Language settings

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **language**.

The language menu is displayed.

Note
English is the only supported language.

Text scroll

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch ▼.

The settings menu is displayed.

4. Touch **On** or **Off**.

   On: The text displayed on the audio screen is scrolled.

   Off: The text is scrolled once then displayed in a shortened form.
5. Touch ⮌ to return to the previous menu.

Touch beep volume

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch ▼.

The settings menu is displayed.

4. Touch **On** or **Off**.

   On: A beep sounds when the screen is touched.

   Off: Cancels the beep sound.
5. Touch ⮌ to return to the previous menu.

Max startup volume

Adjust the maximum limit for the start-up volume.

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch ▼.

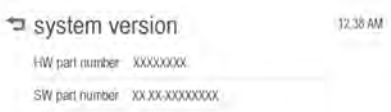
The settings menu is displayed.

4. Touch < or >.

   Select a volume between 9 ~ 21.
5. Touch ⮌ to return to the previous menu.

System version

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch ▼.
4. Touch **system version**.



The system version information is displayed.

5. Touch ⮌ to return to the previous menu.

DivX® VOD

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch ▼.

4. Touch **DivX® VOD**.

   For more information, see Trademarks and licence agreements on page 218.

Bluetooth® phone

General information

Bluetooth® allows users with a Bluetooth® enabled mobile phone to make and receive hands-free calls using the vehicle's infotainment system and controls.

The Bluetooth® enabled mobile phone must be paired to the vehicle's infotainment system before it can be used in the vehicle.

Not all phones will support all functions. For more information visit: www.holden.com.au.

Bluetooth® also allows streaming of music files from a device, if files are available. See Bluetooth® music on page 111.

⚠Warning

Do not use a mobile phone when driving.

Make sure that Bluetooth® is activated before driving. If not stop at a safe place to use a mobile phone.

Pairing and connecting a Bluetooth® device

1. Turn the Bluetooth® device on. Refer to the Bluetooth® device's user guide.
2. Press ⌂ (4).
3. Touch **phone**.

4. Touch **Yes**.

5. Touch **Search Bluetooth Device**.

6. Touch the device to pair.

- If SSP (Secure Simple Pairing) is supported, confirm on the Bluetooth® device and touch **Yes** on the infotainment system screen.

- If SSP is not supported, input the PIN shown on the screen, into the Bluetooth® device.

7. When a Bluetooth® phone is successfully paired, the phone screen is displayed.

   If the connection fails, a failure message is displayed.

Note

- When a Bluetooth® phone is successfully paired to the infotainment system, the phone book is downloaded automatically.

  For best results, it is recommended to always accept the phone book download request when initially pairing a phone.

  If the phone book is not downloaded automatically, it may not be supported by the phone, is required to be initiated manually from the phone or the list in the phone book contains more than 1,000 entries.
- If a Bluetooth® device is already paired to the infotainment system, auto connection begins.

Pairing an additional device when a paired device is connected

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.
4. Touch **bluetooth settings**.
5. Touch **pair device**.
6. Touch the device to pair from the pair device screen, if listed, then go to Step 9.

7. If not listed, touch **Search Bluetooth Device**.
8. Touch the device to pair on the searched list screen.

- If SSP (Secure Simple Pairing) is supported, confirm on the Bluetooth® device and touch **Yes** on the infotainment screen.

- If SSP is not supported, input the PIN shown on the screen, into the Bluetooth® device.

9. When pairing is successful, the device name is displayed on the pair device screen.

Checking the connected Bluetooth® device

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.
4. Touch **bluetooth settings**.
5. Touch **pair device**.

: Connected Bluetooth® device

: Bluetooth® music and handsfree enabled

: handsfree enabled

: Bluetooth® music enabled

Note
The infotainment system can register up to five Bluetooth® devices.

Disconnecting the Bluetooth® device

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.
4. Touch **bluetooth settings**.
5. Touch **pair device**.
6. Touch the name of the device to disconnect.

7. Touch **Yes**.

Connecting the Bluetooth® device

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.
4. Touch **bluetooth settings**.
5. Touch **pair device**.
6. Touch the device to be connected.

The device is connected.

Deleting the Bluetooth® device

1. Press ⌂ (4).
2. Touch **settings**.
3. Touch **connection settings**.
4. Touch **bluetooth settings**.
5. Touch **pair device**.
6. Touch **Del**.

7. Touch **Yes** to confirm.

Hands-free phone

Making a call by entering a phone number:

1. Enter the phone number using the keypad on the screen.
2. Touch .

   Alternatively, press on the steering wheel remote controls.

Note

To change a digit, touch ←.
To delete all digits, touch and hold ←.

Switching a call to the mobile phone (private mode)

1. Touch .
2. Touch **OK**.

To switch the call back to hands-free:

1. Touch again.

Switching the microphone on/off (mute)

1. Touch .

Re-dialling last number

1. Touch and hold .

   Alternatively, press on the steering wheel remote controls.

Note

Redialling is not possible when there is no call history.

Receiving calls

1. Touch **Accept**.

   Alternatively, press on the steering wheel remote controls

   Note

   Audio transmission will stop, the phone will ring and information will display on the screen.

To reject a call:

2. Touch **Reject**.

   Alternatively, press on the steering wheel remote controls.

Using the phone book menu

1. Touch **Phone Book**.

2. Touch ▲ or ▼ to scroll through the list.
3. Touch the entry to be dialled.

4. Touch the number to dial.

Searching for phone book entries

1. Touch **Phone Book**.

2. Touch .

3. Use the keypad to search by name.

   For further information, see Searching by name on page 126.

4. Touch the name to call.
5. Touch the number to dial.

Note

When the Bluetooth® phone is successfully paired to the infotainment system, the phone book is downloaded automatically.

For best results, it is recommended to always accept the phone book download request when initially pairing a phone.

If the phone book is not downloaded automatically, it may not be supported by the phone, is required to be initiated manually from the phone or the list in the phone book contains more than 1,000 entries.

Searching by name

Example: searching the name, alex.

1. Touch **abc** to select the first character.

   Names which include a, b or c are displayed.
2. Touch **jkl** to select the second character.

   Names which also include j, k or l are displayed.
3. Touch **def** to select the third character.

   Names which also include d, e or f are displayed.
4. Touch **wxyz** to select the fourth character.

   Names which also include w, x, y or z are displayed.

   Note
   As more letters of the name are entered, the list of possible names reduces.
5. Touch **alex** to select.

Making a call from the call history

1. Touch **Call History.**

2. Touch (➔, (× or (←.
   (➔: Dialled call
   (×: Missed call
   (←: Received call
3. Touch the entry to be dialled.

Making a call with speed dial

- Touch and hold the speed dial number using the keypad on the phone screen.
- Only speed dial numbers already stored on the mobile phone can be used for speed dial calls.
- Up to 2-digit speed dial numbers are supported.
- For 2-digit speed dial numbers, touch the 1st digit then touch and hold the 2nd digit to make a call.

Note
Not all phones support this feature.

Smartphone link

Use smartphone link when a smartphone is connected to the infotainment system.

- When using an iPhone®, connect the iPhone® through the USB port to use applications.
- When using an Android phone, connect the Android phone to the infotainment system using Bluetooth® to use applications.

Connecting to applications

1. Install the application on the smartphone.
2. Connect the smartphone and the infotainment system through the USB port or Bluetooth®.

   iPhone: USB connection

   Android phone: Bluetooth® connection
3. Activate the application on the smartphone.
4. Press ⌂ (4).
5. Touch **smartphone link**.
6. Touch the application icon.

   The application screen is displayed.

iPhone® error messages

If the infotainment system fails to activate the application on the iPhone®, an error message is displayed:

If required:

- Unlock the iPhone®.
- Close the other active application.
- Install the application on the iPhone®.

If the iOS version of the iPhone® is less than 4.0, an error message is displayed:

smartphone link
-17°C
01:17 AM
Info
Your iPhone does not allow this application to be opened on a USB connection. Please refer to owner's manual.
OK

- Activate the application on the iPhone®, then press the required application menu on the infotainment system.

Android smartphone error messages

If the infotainment system fails to activate the application on the smartphone, connected with Bluetooth®, an error message is displayed.

1. Reset all settings related to the phone, then press the required application menu on the infotainment system.
2. Reconnect the smartphone to the infotainment system with Bluetooth®, then press the required application menu on the infotainment system.
3. When stopping the application on the smartphone, it may take some time to return to normal operation.

   Activate the application after approximately 10 to 20 seconds.

Displaying/hiding application icons

To display or hide application icons on the smartphone link menu:

1. Press ⌂ (4).
2. Touch **smartphone link**.

3. Touch **settings**.

The app settings menu is displayed.

4. Press an application icon to hide the application icon shown on the smartphone link menu.
5. Press an application icon to display the application icon hidden on the smartphone link menu. A check mark is shown.
6. Touch **OK**.

Note
If an application is activated on the smartphone link menu and a phone is connected, is displayed on the HOME screen.

Stitcher™ Internet Radio

Some images and explanations may vary due to mobile phone operating systems, versions and/or application (app) versions.

Using Stitcher™

Listen to news, comedy, sports and radio talk shows in one app.

Choose from 5,000+ on demand podcasts and live AM/FM stations.

Note
Stitcher™ requires an active data connection to function.

1. Install the Stitcher™ application on the smartphone.
2. Connect the smartphone and the infotainment system through the USB port or Bluetooth®.

   iPhone: USB connection

   Android phone: Bluetooth® connection
3. Activate the Stitcher™ application on the smartphone.

To use Stitcher™:

4. Press ⌂ (4).
5. Touch **smartphone link**.

6. Touch **Stitcher**.

The Stitcher screen is displayed.

Note

If a smartphone is not connected to the infotainment system or the application is not installed on the smartphone, the Stitcher menu is not displayed.

Thumbs up and thumbs down

Rate songs/content using thumbs up and thumbs down.

- Touch or .

Saving the favourite station

- Press to save the station as a favourite station.

Pause

1. Touch **II** during playback.
2. Touch ► to resume play.

Playing the next station

- Touch ⏭ to move to the next station.

Using the Stitcher menu

1. Touch **MENU** during play.

2. Touch ▲ or ▼ to scroll through the list.
3. Touch to select.

Pandora® Internet Radio

Some images and explanations may vary due to mobile phone operating systems, versions and/or application (app) versions.

Using Pandora®

Pandora® is an internet radio service that streams personalised radio stations based on artists, songs, genres and comedians.

Create stations using the Pandora® website or smartphone application, then use 👍 (thumbs up) or 👎 (thumbs down) to personalise stations. To set up an account or for more information, go to www.pandora.com.

Note Pandora® requires an active data connection to function.

1. Install the Pandora® application on the smartphone.
2. Connect the smartphone and the infotainment system through the USB port or Bluetooth®.

   iPhone: USB connection

   Android phone: Bluetooth® connection
3. Activate the Pandora® application.

To use Pandora®:

4. Press ⌂ (4).
5. Touch **smartphone link**.

6. Touch **Pandora**.

The Pandora screen is displayed.

Note

If a smartphone is not connected to the infotainment system or the application is not installed on the smartphone, the Pandora menu is not displayed.

Bookmarks

Touch **+** while playing a song to bookmark either the artist or the song. Bookmarks are viewable on www.pandora.com.

Thumbs down

Touch to change to the next song and not play the song on this station again. This helps Pandora® choose which songs should not play on this station. This feature is only available on user created stations.

Thumbs up

Touch to help Pandora® choose which songs should play on this station.

Pause

1. Touch **II** during playback.
2. Touch ► to resume play.

Playing the next station

- Touch ⏭ to move to the next song.

Pandora® skip limit

Pandora® limits the number of skips allowed on their service. When the skip limit is reached, will not skip the currently playing track, but feedback will be recorded.

Pandora® advertisements

Pandora® may display advertisements. Artist name and track title will not be displayed and the skip track button is not available.

Climate control

Air conditioning system 133
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Air conditioning system

⚠Danger

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.

Controls

- Temperature
- Demisting and defrosting
- Fan speed
- Air recirculation
- Air distribution
- Cooling

Temperature

Rotate the temperature switch:

Red: warm

Blue: cold

Fan speed

Rotate the fan speed switch ✣ to the desired speed, between **0** and **4**.

Air distribution

Select an air outlet by rotating the switch. Air is directed:

- : To the instrument panel vents
- : To the instrument panel vents and floor vents
- : To the floor vents. A small amount of air is directed to the windscreen and side vents
- : Between the windscreen and floor vents and some to the side vents
- : To the windscreen with a small amount of air directed to the side vents

Windscreen demister

1. Rotate the temperature switch to the desired temperature.
2. Press .
3. Rotate the fan speed switch to the desired speed.
4. Rotate the air distribution switch to .

Note
If air conditioning is not required, rotate the air distribution switch to .

Air recirculation system

1. Press .

⚠Warning

Driving with recirculation mode on for a prolonged period of time can make you sleepy. Periodically switch to outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Cooling

The air conditioning system cools and dehumidifies (dries) the air when the outside temperature is a little above the freezing point, therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Even though the air conditioning is turned on, the vehicle will produce warm air if the air temperature switch is in the red area.

1. Turn the ignition on.
2. Rotate the temperature switch to cold air.
3. Press ❄.
4. Rotate the fan speed switch to the required speed.
5. Rotate the air distribution switch to the required setting.

To turn the air conditioning system off:

1. Rotate the fan speed switch ✤ to **0**.

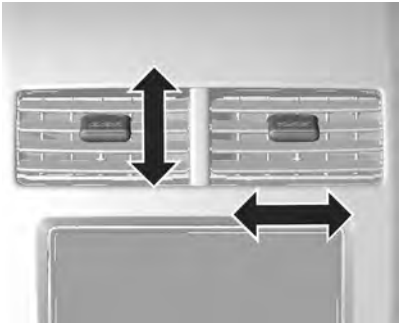
Maximum cooling

Use maximum cooling for quick cooling of the passenger compartment.

1. Turn the ignition on.
2. Rotate the temperature switch to cold air.
3. Press ☼.
4. Rotate the fan speed switch ✤ to **4**.
5. Push ⇦.

Air vents

Adjustable air vents



Direct the air flow by tilting the vents.

Note
At least one air vent must be open while the air conditioning is on.

1. Rotate the switch anticlockwise.
2. Rotate the vent to the desired direction.
3. To close, rotate the switch clockwise.

⚠Warning

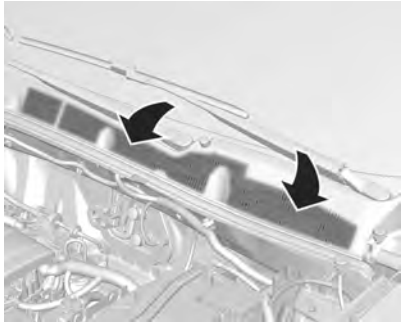
Do not attach objects to the vents. Damage or injury may occur.

Fixed air vents

Fixed air vents are located beneath the windscreen, front door windows and in the footwells.

Maintenance

Air intake



Outside air is drawn into the vehicle through the opening between the bonnet and the windscreen.

Keep the area clear of debris.

Pollen/dust filter

The passenger compartment air filter filters contaminants such as pollen and dust from entering the vehicle.

Caution
Have the passenger compartment air filter replaced if driving frequently on dusty and unpaved roads or polluted areas.

Air conditioning regular operation

To ensure efficient performance, switch the cooling on for a few minutes once a month, even in winter.

Note

Cooling is not possible when the outside temperature is low.

Driving and operating

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Driving information

Before entering the vehicle

Check that windows, mirrors and lamps are clean.

Visually check tyre inflation. Check tyre pressures weekly.

Before driving off

1. Close and secure all doors.
2. Position the seat for comfortable driving.
3. Adjust rear view mirrors.
4. Fasten seat belts.
5. Check that warning indicators illuminate when turning the ignition on. See Warning lights, gauges and indicators on page 59.

Starting and operating

New vehicle running-in

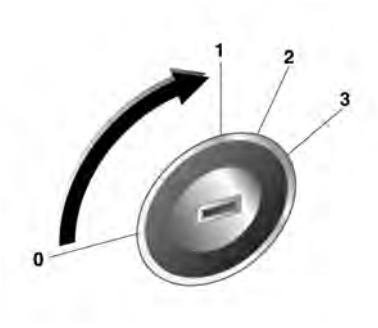
Use the following precautions to improve performance:

- Do not make full throttle starts.
- Avoid downshifting to brake or slow the vehicle.
- Avoid hard stops except in emergencies. This will allow your brakes to bed in properly.
- Avoid hard stops except in emergencies to avoid premature wear and early replacement of brakes.
- Avoid heavy acceleration and prolonged high speed driving to avoid damage to the engine and to conserve fuel.
- Do not tow any other vehicle.

Brakes

- Do not let the vehicle run down hills, or coast with the engine off, as the power assistance does not operate.
- Ensure that there are no obstructions which could limit brake pedal use.
- Continuous or heavy use of brakes will shorten the life of the brake pads.

Ignition positions



⚠Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for brakes or steering.

Never remove the key while the vehicle is moving, as this will lock the steering.

0: (LOCK) The key can only be inserted and removed from this position.

1: (ACC) When the key is in this position, the audio system operates.

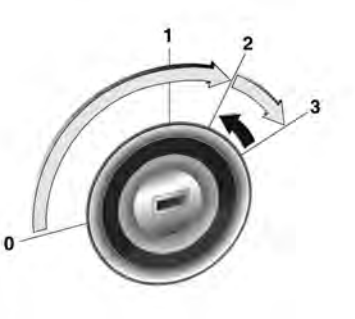
2: (ON) When the key is in this position, the engine is ready to start and all electrical systems are active.

3: (START) Turn the key to this position and release when the engine is running.

Caution

Do not leave the key in positions 1 or 2 for a long time, unless the engine is running, otherwise the vehicle's battery will discharge.

Starting the engine



1. Apply the park brake.
2. Turn the key to position 1 while moving the steering wheel slightly to release the lock.

   Manual transmission: Push the clutch pedal to the floor and move the shift lever to the neutral position.

   Automatic transmission: Move the shift lever to **P** or **N**.

   Do not accelerate.
3. Turn the key to position 3.
4. Release the key when the engine is running.

Before restarting or to switch the engine off, turn key back to position 0.

Caution
Do not keep the key in position 3 for more than 10 seconds. If the engine does not start, wait 10 seconds before trying again.

Parking

1. Apply the park brake.
2. Automatic transmission: Select position **P**.

   Manual transmission: If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.

   On an uphill slope, turn the front wheels away from the kerb.

   On a downhill slope, turn the front wheels towards the kerb.
3. Shut all windows.
4. Turn the ignition off and remove the key.
5. Press on the key to lock all doors. See Keys and locks on page 16.

⚠Warning

Be careful where you park or drive. As with any vehicle, do not park or operate the vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Exhaust gases are hazardous, especially if they concentrate in closed rooms.

Never leave the engine running in an enclosed space such as a closed garage or underground car park.

Engine exhaust

⚠Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault repaired by a Holden Dealer.

Avoid driving with an open tailgate, otherwise exhaust gases could enter the vehicle.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Use of low quality fuel or fuel with too low an octane number may damage the engine, the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

If the engine misfires, runs unevenly, engine performance is reduced or other problems occur, contact a Holden Dealer as soon as possible.

In an emergency, drive for a short period, keeping the vehicle and engine speed low.

Automatic transmission

The automatic transmission allows manual gear shifting (manual mode) or automatic gear shifting (automatic mode).

The automatic transmission is an electronically controlled six-speed transmission. Sixth gear is overdrive.

⚠Warning

Do not press the accelerator pedal while shifting from **P** or **N** to **R** or a forward gear.

Use **D** as much as possible.

Never shift to **P** or **R** while the vehicle is in motion.

When stopping on an uphill grade, do not hold the vehicle in place by pressing the accelerator pedal. Use the brake pedal.

Press the brake pedal when shifting from **P** or **N** to **R** or a forward gear.

Selecting a gear

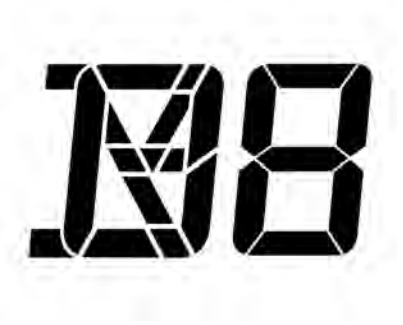
1. Press the brake pedal while moving the shift lever to either the **R**, **D** or **M**.

⚠Warning

Do not shift between **D** and **R** or **P** while the vehicle is moving.

2. Release the park brake and the brake pedal.
3. Slowly press the accelerator pedal.

Transmission display



The selected gear or transmission mode is displayed on the instrument cluster.

Shift lever

P: (park) In park position, the front wheels are locked. Select **P** only when the vehicle is stationary and the park brake is applied.

R: (reverse) Place in reverse only when the vehicle is stationary.

N: (neutral)

D: (drive) Used for general driving. Allows the transmission to be shifted into any of the six forward gears.

M: (manual) See Manual mode on page 144.

Caution

Do not accelerate while engaging a gear.

Never depress the accelerator pedal and brake pedal at the same time.

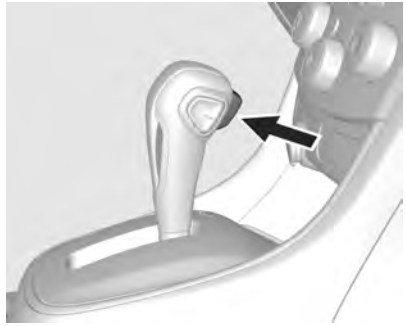
When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Do not use the **P** (park) position in place of the park brake.

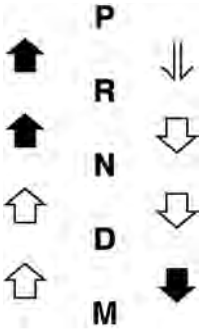
Turn off the engine, apply the parking brake and remove the ignition key when leaving the vehicle.

Never leave the vehicle unattended while the engine is running.

Shifting between gear positions



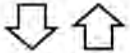
Movement between certain gear positions requires pressing the release button on the shift lever and/or the brake pedal to the floor.



Follow the descriptions as indicated by the arrows when moving the shift lever.

Press the release button to select a gear.

Push the brake pedal to the floor and press the release button to select a gear.



Shift freely to select a gear.

Manual mode

1. Move the shift lever to position **M**.
2. Press the gear shift button on the side of the shift lever:

   +: shift up gear

   –: shift down gear

Note

- To maintain the required levels of vehicle performance and safety, certain gearshifts may not occur when in manual mode.

- Downward shifts are made automatically when the vehicle slows down.
- When the vehicle stops, first gear is automatically selected.

Engine braking

To utilise the engine braking effect, select a lower gear when driving downhill.

⚠Warning

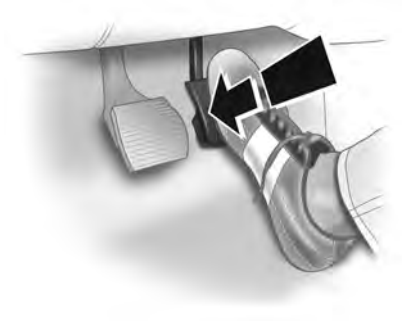
Do not downshift by two or more gear positions at one time.

Note
Use of engine compression during long mountainous descents may prolong the life of your brakes.

Parking

1. Press the brake pedal.
2. Select position **P**.
3. Pull the park brake lever up firmly.
4. Remove the ignition key.

Kickdown



For faster acceleration:

1. Press the accelerator pedal all the way down and hold.

   The transmission shifts to a lower gear depending on the engine speed.

Fault

In the event of a fault, illuminates. The transmission no longer shifts automatically or manually because it is locked in a certain gear.

Contact a Holden Dealer.

Interruption of power supply

If the power supply is interrupted, the shift lever cannot be moved out of position **P**.

If the battery is discharged, start the vehicle using jump leads. See Jump starting on page 200.

If the battery is not the cause of the fault, release the shift lever and remove the ignition key from the ignition lock.

Release shift lever

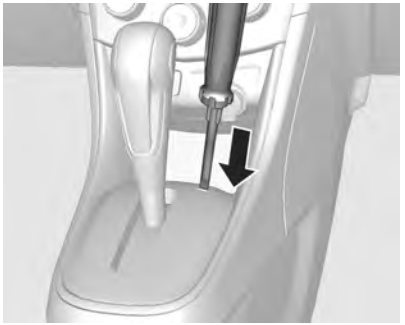
Before shifting out of **P**:

1. Turn the ignition on.
2. Press the brake pedal to the floor.

If you cannot shift out of **P** with the ignition on and the brake pedal pressed:

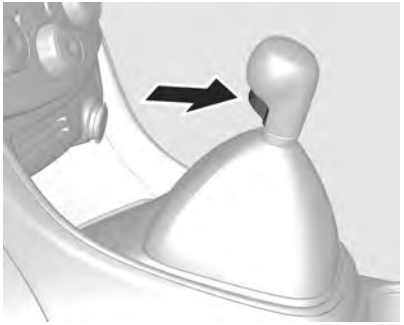
3. Turn the ignition off and remove the key.
4. Press and hold the brake pedal.
5. Pull up on the park brake lever.

6. Remove the cap on the centre console with a thin object such as a flat-blade screwdriver.



7. Press the ignition key into the slot.
8. Move the shift lever to **N**.
9. Remove the key from the slot.
10. Replace the cap.
11. Have the vehicle repaired by a Holden Dealer as soon as possible.

Manual transmission



- To engage reverse gear, pull up on the button on the shift lever then engage the gear.
- Do not engage reverse gear while the vehicle is moving.
- If the gear does not engage, move the shift lever to neutral, release the clutch pedal, press the clutch pedal again then repeat gear selection.
- Ensure the clutch pedal is completely pushed to the floor.
- Do not use the pedal as a foot rest.

Caution
Do not drive with your hand resting on the shift lever.

Brakes

The brake system comprises two independent brake circuits.

If one brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is pressed firmly. Considerably more force is needed for this.
The braking distance is extended. Contact a Holden Dealer.

Caution
Do not drive with your foot resting on the brake pedal. This will accelerate wear of the brake components and cause the brakes to become overheated.

⚠Warning

After driving through deep water, washing the vehicle or using the brakes excessively such as when descending a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating.

Shift to a lower gear when going down hills. Do not continuously apply the brakes.

To dry out the brakes:

- Ensure there is a clear area ahead.
- Lightly apply the brakes.
- Maintain a slow forward speed until performance returns to normal.

Antilock Brake System (ABS)

The ABS:

- Continuously monitors the vehicle's braking system preventing the wheels from locking up.
- Allows maximum braking effort while full steering control is retained, even in the event of panic braking.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. You should always adjust the vehicle's speed to suit road and traffic conditions. Always maintain an adequate distance to the vehicle in front of you.

Operation

ABS operation is noticeable by pulsing of the brake pedal and the noise of the regulation process.

The initial self-check may also be audible.

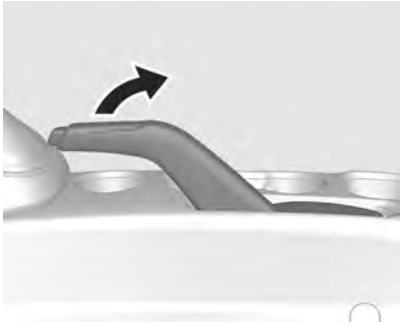
Keep the brake pedal fully pressed throughout the braking process, without pumping it.

Caution

If there is a malfunction with the ABS, the vehicle's brake system remains operational, but without ABS assistance. Have a Holden Dealer check the system as soon as possible.

See Antilock Brake System (ABS) warning light on page 64.

Park brake



Applying the park brake:

1. Pull the lever straight up, without pressing the release button.

Releasing the park brake:

1. Pull the lever slightly upwards.
2. Push in the release button on the top of the lever and lower the lever all the way down.

⚠Warning

Never drive the vehicle with the park brake applied.

Brake assist

If the brake pedal is pressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill Start Assist (HSA)

The HSA system assists in preventing rollback when driving off, while on an incline.

1. Release the brake pedal.
2. Press the accelerator pedal.

   The brakes remain on for approximately 2 seconds.

Ride control systems

Traction Control System (TCS)

TCS improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels start to spin, engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TCS is activated as soon as the ignition is turned on.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Operation

TCS can be deactivated when spinning of drive wheels is required:

1. Press OFF
   illuminates

To reactivate TCS:

1. Press OFF again
   TCS is also reactivated the next time the ignition is turned on. See Traction Control System (TCS) off light on page 65.

Electronic Stability Control (ESC)

The ESC:

- Improves driving stability in any driving situation.
- Assists in maintaining vehicle stability when the vehicle's grip level is exceeded such as a sudden lane change, slippery or unexpected road conditions.
- Alters engine power and/or braking on specific wheels, improving the vehicle's steering control and power delivery, on wet or slippery roads, particularly on snow and ice.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Activation

- The ESC is automatically switched on each time the engine is started.
- When ESC is active illuminates.

  See Electronic Stability Control (ESC) light on page 65.

Deactivation

In certain circumstances, it may be helpful to deactivate ESC.

1. Press for several seconds.

   illuminates on the instrument cluster.

   ESC is reactivated by pressing again.

Note

ESC may only be deactivated below approximately 50 km/h. If deactivated, ESC will reactivate above approximately 50 km/h.

Descent Control System (DCS)

The DCS system:

- Is only for driving down steep grades
- Works in conjunction with the ABS to maintain the slow speed descent of the vehicle
- Is designed for off road driving when moving over steep gradients
- May malfunction if used unnecessarily - do not use DCS when driving on normal roads
- When activated, causes strong vibrations and noise from the brake system

Activation

- Press below 40 km/h illuminates green on the instrument cluster indicating DCS is ready for use

Operation

DCS operates, flashes, when :

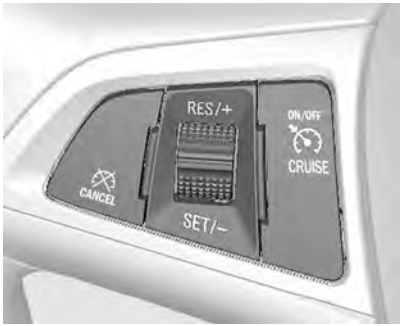
- The vehicle speed is between 6 and 35 km/h
- The vehicle is on a steep gradient
- The accelerator and brake pedals are NOT pressed

Deactivation

DCS deactivates when:

- is pressed and extinguishes on the instrument cluster
- The vehicle exceeds 60 km/h

Cruise control



The cruise control:

- Maintains the vehicle's speed without pressure on the accelerator pedal.
- Will only operate at speeds above approximately 40 km/h.
- Controls are located on the passenger side of the steering wheel.

⚠Warning

Do not use the cruise control when road or driving conditions require varying speeds. A consistent speed isn't practical in heavy, varying traffic or on winding, slippery or rough roads.

The cruise control does not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills it is possible for the vehicle to lose speed. You may need to switch off the cruise control and use the accelerator pedal.

Setting cruise control

1. Press .

   illuminates white.
2. Accelerate to the desired speed (above 40 km/h).
3. Rotate the wheel towards **SET/-** and release.

   illuminates green.
4. Take your foot off the accelerator pedal.

Increasing set speed

1. Rotate the wheel towards **RES/+** and hold it.

   The vehicle will accelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **RES/+** and release it immediately.

   The speed will increase by 1-2 km/h.

Decreasing set speed

1. Rotate the wheel towards **SET/-** and hold it.

   The vehicle will decelerate.
2. Release the wheel at the desired speed.
3. Rotate the wheel towards **SET/-** and release it immediately.

   The speed will decrease by 1-2 km/h.

To temporarily accelerate

When the cruise control is on:

1. Press the accelerator pedal.

   Note
   Increasing speed will not interfere with cruise control operation or change the set speed.

To return to the set speed:

1. Take your foot off the accelerator pedal.

Temporary deactivation

Do one of the following:

- Press ⊠.
- Reduce vehicle speed below approximately 40 km/h.
- Press the brake pedal or press the clutch pedal.

illuminates white.

Resume stored speed

When the cruise control has a desired speed previously set:

1. Press **RES/+**.

   The most recently set speed will automatically resume.

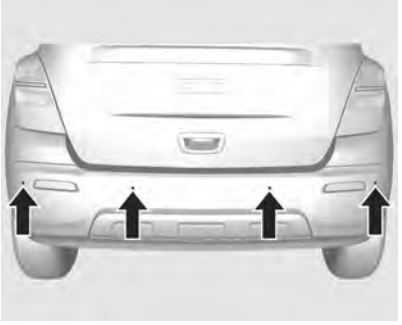
Deactivation

1. Press .

   extinguishes.

Object detection systems

Park Assist (PA)



The PA system is able to detect and indicate obstacles at the rear of the vehicle when reversing.

The system consists of four sensors on the rear bumper.

⚠Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle. The PA is only an aid and is neither intended to, nor able to take over any responsibility.

The park sensors may not be able to detect all objects under every condition e.g. objects too close to the vehicle, objects above or below the sensors, or objects with a surface that absorbs ultrasonic waves. Additionally, some ambient conditions like ultrasonic waves or heavy rain can cause disruptive reflections from an object's surface. Such objects may not be detected.

Always manoeuvre the vehicle slowly to allow yourself sufficient time to react. The warning tones may not sound if the vehicle's speed is above 10 km/h.

Activation

The system is activated automatically when:

- The ignition is turned on
- Reverse gear is selected

Alarm tones

- Alarm tones sound when an object is detected.
- The interval between the alarm tones becomes shorter as the vehicle gets closer to an object.
- When the distance is less than 40 cm, the alarm tones sound continuously.
- If the vehicle stops, the alarm tones will stop after approximately 3 seconds.

Deactivation

The PA is deactivated automatically when:

- Reverse gear is deselected.
- A fault occurs in the system.

The PA can also be deactivated by adjusting the collision/detection settings for use with a tow bar and trailer.

To adjust the collision/detection settings, see Settings on page 75.

- Park Assist - Off - PA is deactivated at all times.
- Park Assist - On - PA is deactivated automatically if a trailer lighting plug is connected.
- Park Assist - towbar attached - The PA has an allowance for a fitted tow bar. The alarm tones will sound earlier when reversing towards objects. The PA is deactivated automatically if a trailer lighting plug is connected.

Fault

If a fault occurs, **P** illuminates:

- Move the vehicle with care.
- Check and clean the sensors.

Notes on operation

- The alarm tones differ depending on the objects detected.
- If the sensors receive other ultrasonic signals e.g. metallic sounds or exhaust brake noise from heavy commercial vehicles, the system may not work properly.
- The system may not activate if the sensors are frozen or covered with dirt.
- Clean dirty sensors with a soft sponge and clean water.
- Do not push or scratch the surface of the sensors.
- Do not hit or direct high pressure water directly at the sensors as they may be damaged.

- The system may not recognise sharp objects, thick clothes or other materials which absorb ultrasonic waves.
- The system may not operate correctly when the vehicle is driven over uneven surfaces.

Rear Vision Camera (RVC)

⚠Warning

Never rely solely on the reverse camera when reversing the vehicle.

There is a blind spot that can not be sensed by the rear view camera.

The reverse camera is not intended to replace the driver's judgement or attention toward the rear of the vehicle when reversing. Before entering the vehicle, always check that the area around the vehicle is clear of obstacles and people.

Always perform head checks and use the vehicle's mirrors when reversing.

If the vehicle sustains any damage in the area of the reverse camera, the camera may become misaligned. Contact a Holden Dealer.

Always keep the camera lens free from dirt, snow or ice. Only use mild soap and water with a soft cloth to clean the lens.

The camera

The camera is located on the rear tailgate.

The RVC cannot display objects:

- Close to the corners of the bumper
- Forward of the camera
- Higher than the camera

RVC display

The camera display appears on the infotainment screen when the engine is running and reverse gear is selected.

The area directly behind the vehicle is displayed in real time.

Note

- The distance of objects seen on the screen differs from the actual distance.
- The area displayed on the screen may vary according to vehicle orientation or road conditions.
- Objects of different heights will appear to be different distances from the vehicle.
- Guidelines and warning symbols to assist with reversing can be displayed. See Rear camera option under Vehicle Personalisation on page 76.

Operating the RVC

To activate:

1. Start the engine.
2. Select reverse gear.

   The camera and display automatically activates.

Note

When the shift lever is moved to another position, the RVC deactivates.

Cleaning

The lens requires regular cleaning to ensure optimum performance. Use only a soft cloth, mild soap and water.

⚠Warning

Do not use abrasive cleaners or scouring pads as they could scratch the lens, impairing the systems performance.

Fuel

⚠Danger

EXHAUST WARNING – CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

Gases could be inhaled if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- Each time the vehicle is serviced.
- Whenever a change is noticed in the sound of the exhaust system.
- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to a Holden Dealer if you think the vehicle needs inspecting for any of the above reasons.

Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running. Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.

Driving with the tailgate open is not recommended. If you must travel with the tailgate open, close all windows, ensure that the climate controls are set to outside (rather than recirculate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h.

⚠Warning

FUEL

Fuel is extremely flammable and highly explosive.

Always switch off the engine of the vehicle and any mobile phones when refuelling.

Do not smoke or allow open flames or sparks near the vehicle when refuelling.

If fuel fumes are detected while driving, the cause should be found and corrected without delay by a Holden Dealer.

Caution

FUEL ADDITIVES

Various additives are used in the formulation of good quality fuel and the use of supplementary additives in fuel is not required unless specified by Holden. Under no circumstances should fuel containing the manganese additive known as MMT (methyl cyclopentadienyl manganese tricarbonyl) be used, as this additive is known to cause contamination of catalytic converters, spark plugs and the malfunction of On-Board-Diagnostic (OBD) systems. The use of fuel additives that are not recommended by Holden may affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the additives affect the specifications and quality of the vehicle.

Caution

USE OF FUEL CONTAINING ETHANOL

When purchasing such fuel, we recommend that the vehicle be operated on fuel containing no more than 10% ethanol.

Under no circumstances should fuel containing more than 10% ethanol be used. Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation. These adverse effects could result in permanent damage to the vehicle and personal injury. It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

The use of fuel containing more than 10% ethanol may also affect your New Vehicle Voluntary Warranty to the extent that Holden considers that the fuel affects the specifications and quality of your vehicle.

The use of any fuel, other than the fuel specified below, may seriously damage the vehicle and may void the warranty. Only clean fuel of good quality should be used.

Fuel type

Use clean, unleaded petrol of regular 91 Research Octane Number (RON) rating or higher.

Use of Premium unleaded petrol (95 RON or higher) on the 1.8 L engine, may provide a small improvement in engine response and fuel economy.

Use of Premium unleaded petrol (95 RON or higher) on the 1.4 L engine will provide noticeable improvement to engine response especially during high ambient temperatures.

Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel which contains abnormal fuel properties.

Caution

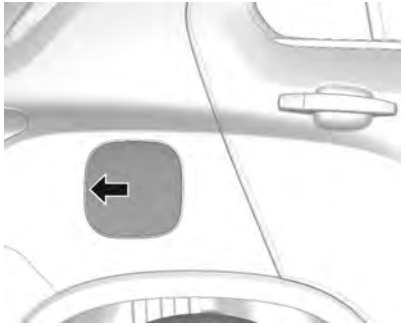
Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

Refuelling

Always fill the fuel tank at the intermediate or fast fill rate. Do not add any more fuel after the fuel filler first clicks off or fuel blows back. This allows room for the fuel to expand inside the tank.

Wipe off any overflowing fuel immediately from the vehicle. Replace the fuel cap and close the fuel opening then spray or splash with water.

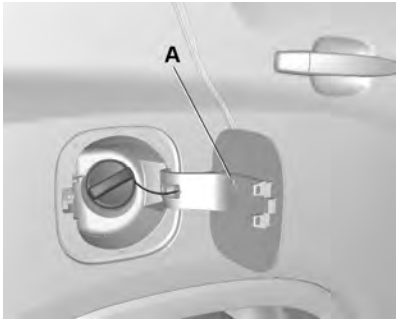


The fuel filler door is located in the driver side of vehicle, at the rear.

1. Stop the engine.

2. Press .
3. Open the fuel filler door.
4. Rotate the fuel filler cap slowly, anticlockwise.

   If a hissing sound is heard, wait for it to stop before completely unscrewing the cap.



5. Remove the cap.

   The cap is tethered to the hinge.
6. Hook the cap over (A) while refuelling.
7. After refuelling, close cap.
8. Rotate the cap clockwise until it clicks.
9. Push the fuel filler door closed until it latches.

Note
If in cold weather the fuel filler door does not open, tap the door lightly.

Towing

Trailer towing

The word trailer is used throughout this section and includes all types of towed vehicles, such as caravans, boat trailers or any other special purpose trailer.

Maximum towing capacities (kg) – braked trailer

	Automatic	Manual
	1,200	1,200

Note The maximum unbraked towing capacity for all vehicles is 500 kg.

Towing

Handling, durability and economy may be affected by towing a trailer.

For recommended and mandatory towing equipment, see Towing and loading equipment on page 163.

A Holden Dealer will assist with supply and installation of towing equipment.

Overloading

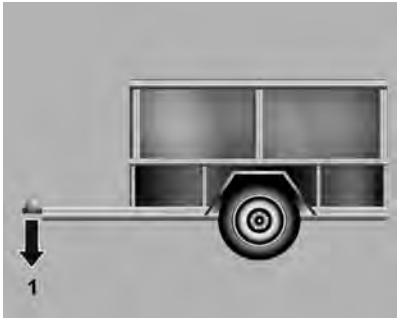
Never exceed the loads given for the towing equipment fitted to the vehicle.

All mandatory equipment must be fitted, otherwise you may void the New Vehicle Voluntary Warranty, to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of the vehicle. See Towing and loading equipment on page 163.

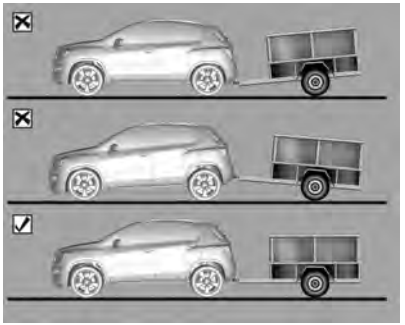
⚠Warning

Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment which should be used. Holden will not accept liability for defects occurring in towing equipment not marketed by Holden or for defects in the vehicle arising from the use of such equipment or for loss or injury caused by use of such equipment. The use of such equipment may void your New Vehicle Voluntary Warranty, to the extent that Holden considers the non-recommended equipment affects the specifications or quality of your Holden vehicle. It is inadvisable to mix and match different brands of towing equipment, as equipment is usually designed as an integrated package.

Trailer recommendations



A trailer hitched to a vehicle places a weight on the tow bar. This weight is called the tow bar ball weight or tow ball load (1).



- For single axle trailers, the tow ball load should be 10% of the loaded trailer weight. For heavy trailers with more than one axle, the tow ball load should be 5 % - 10 % of the loaded trailer weight.
- Adjust by moving items forwards or backwards within the trailer, to change the balance.
- Check the tow ball load before coupling the trailer to the towing vehicle.

- Axle loads must not be exceeded when the tow ball load is included. See Axle loads on page 215.
- If maximum axle loads are exceeded, weight should be removed from the rear of the vehicle and transferred onto the trailer.
- Do not exceed the maximum towing capacities specified. See Maximum towing capacities on page 161.
- Do not exceed the total front or rear axle loads specified. See Axle loads on page 215.

Towing and loading equipment

Tow load	Mandatory equipment
Up to 1,200 kg	Holden 1,200 kg rated tow bar
	Holden trailer wiring harness
	Brakes on the trailer if the aggregate trailer mass (ATM) is more than 500 kg

Towing precautions

- When heavily loading the vehicle or when towing, inflate tyres to the maximum recommended pressure. See Tyre placard on page 189.
- Tighten the tow ball retaining nut to 140 Nm (Newton metres) and check the torque frequently.
- Vehicles handle differently when towing. Take a couple of short distance trips with the trailer before taking a long trip.
- Have the vehicle and trailer correctly maintained and serviced, with particular attention given to the brakes, tyres, suspension, wheel bearings, towing coupling and lighting.
- Use an extended-arm mirror on both sides of the vehicle if necessary.
- Headlamps may need re-aiming after the loaded trailer has been hitched.
- Use a lower gear and the brakes, when descending steep hills.
- Ensure that the tow bar does not obscure the rear number plate. Remove the tow bar tongue when not required for towing.

- If a tow bar is removed, have any mounting holes in the underbody sealed to prevent entry of exhaust fumes, dust and water.
- The Park Assist (PA) settings can be adjusted to automatically deactivate when a trailer lighting plug is connected to the vehicle. See Park Assist (PA), Deactivation on page 155.

Trailer brakes

- Trailer brakes are mandatory on trailers weighing 500 kg and over when loaded.
- Consult the appropriate regulatory body in your State or Territory for the legal requirements of trailer brakes.

Running-in when towing

It is recommended that a new vehicle be driven for at least 1,500 km before towing.

If towing is necessary before this, do not exceed 80 km/h. This also applies if the vehicle is fitted with a new or reconditioned engine, transmission or rear axle.

Vehicle maintenance

More frequent vehicle maintenance is required when using the vehicle to tow. Refer to the Service/Warranty Booklet in the vehicle's glove box.

Vehicle care

General information 165
Vehicle checks 167
Bulb replacement 177
Electrical system 182
Vehicle tools 188
Wheels and tyres 188
Jump starting 200
Towing 203
Appearance care 206

General information

Where specified, use only Holden genuine parts and accessories.

Emission information

The emission control systems are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. HC and NOx, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, CO is toxic when it becomes highly concentrated in the air.

Emission control system

Major emission control systems that the vehicle may have are:

1. Evaporative emission control system. This system is designed to prevent the escape of fuel vapour from the fuel system and recycle the vapours through the normal combustion process.
2. Crankcase emission control system. This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. Exhaust emission control system. The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust emission control system consists of components including electronic control of spark, fuel and idle speed. In addition vehicles have a catalytic converter and closed loop mixture control system.

It is recommended that service and repair to fuel or emission systems be carried out by an authorised Holden Dealer.

Owner responsibility

The engine, engine control system and exhaust system of the vehicle must NOT be modified in any way.

⚠Warning

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules. It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

Have the vehicle serviced at the frequency shown in the Maintenance schedule, in the Service/Warranty Booklet.

It is recommended that servicing be carried out by an authorised Holden Dealer who will maintain the vehicle's emission control system as per the Service/Warranty Booklet.

Vehicle storage

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain the washer fluid reservoir.
- Check coolant and corrosion protection.
- Adjust the tyre pressure to the value specified for a full load.
- Park the vehicle in a dry, well ventilated place.
- Engage first or reverse gear to prevent the vehicle from moving.
- Do not apply the park brake.
- Open the bonnet, close all doors and lock the vehicle.

  Disconnect the clamp from the negative terminal of the vehicle battery.

  Close the bonnet.

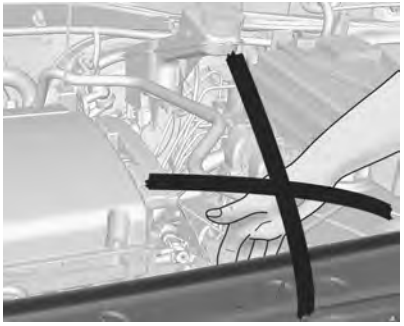
Before returning the vehicle to the road:

- Connect the clamp to the negative terminal of the vehicle battery.

  Check the power windows operation.
- Check the tyre pressures.
- Fill the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.

Vehicle checks

Doing your own service work



⚠Warning

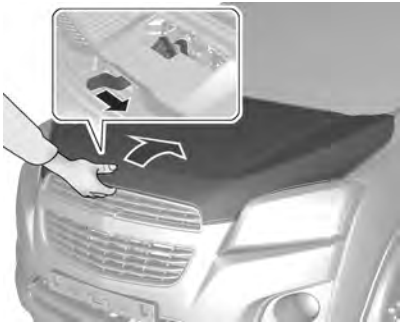
Do not touch engine compartment components when the ignition is on due to extremely high voltages.

Note
The cooling fan may still operate when the ignition is off.

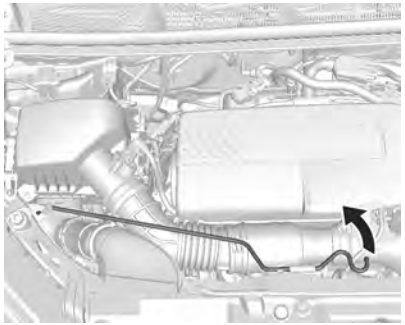
Bonnet

Opening

1. Pull the release lever rearwards.
2. Return the lever to its original position.



3. Push the safety catch towards the passenger side and open the bonnet.



4. Pull up the support rod away from the holder.
5. Secure on the driver side of the bonnet.

Closing

⚠Warning

To avoid injury and/or damage to the vehicle, check each time, before the bonnet is closed, that the contact area is unobstructed.

1. Place the support rod into the holder.
2. Lower the bonnet and allow it to drop into the catch.
3. Check that the bonnet is engaged.

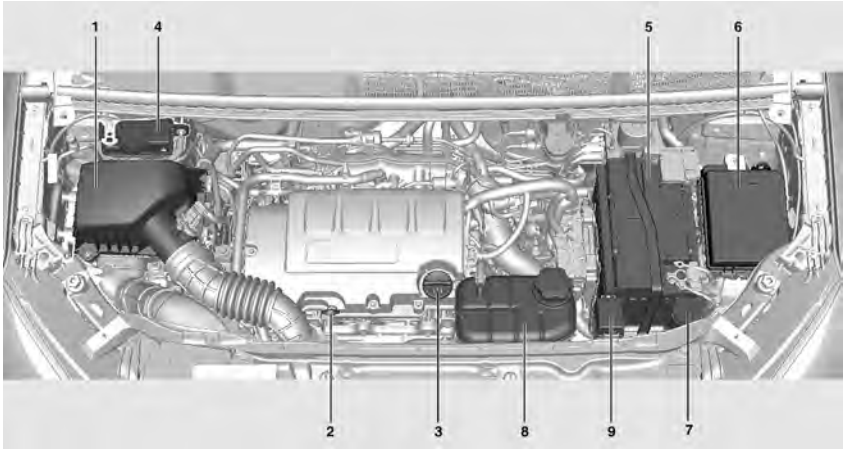
⚠Warning

If while driving you notice that the bonnet has not been properly closed, pull the vehicle over to the side of the road at the earliest possible moment and close the bonnet correctly.

Note
Do not pull down on the bonnet when the bonnet is supported by the rod.

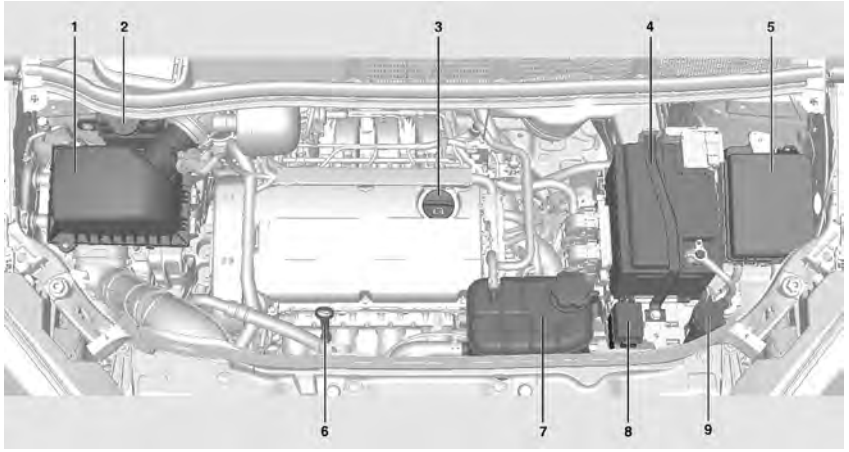
Engine compartment overview

1.4L engine



1. Engine air filter, see page 173
2. Dipstick for engine oil, see page 171
3. Engine oil filler cap, see page 172
4. Brake/clutch fluid reservoir, see page 175
5. Battery, see page 176
6. Fuse box, see page 182
7. Windscreen washer fluid reservoir, see page 174
8. Engine coolant reservoir, see page 173
9. Auxiliary fuse box, see page 184

1.8L engine



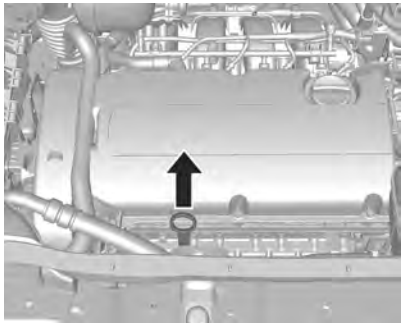
1. Engine air filter, see page 173
2. Brake/clutch fluid reservoir, see page 175
3. Engine oil filler cap, see page 172
4. Battery, see page 176
5. Fuse box, see page 182
6. Dipstick for engine oil, see page 171
7. Engine coolant reservoir, see page 173
8. Auxiliary fuse box, see page 184
9. Windscreen washer fluid reservoir, see page 174

Engine oil

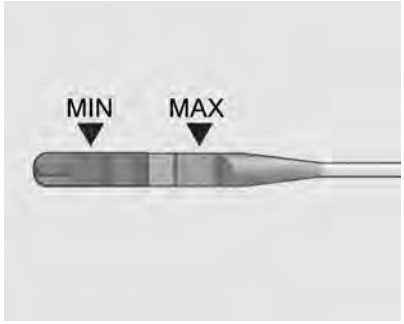
Checking oil level

- Check the engine oil level before a long journey.
- The engine must be at operating temperature and the ignition turned off for at least 10 minutes.

1. Park the vehicle on a level surface.
2. Remove the dipstick and wipe clean.
3. Insert the dipstick to the stop on the handle.



4. Remove and read the oil level.



The level should be at the MAX mark. Add oil if the level is at the **MIN** mark.

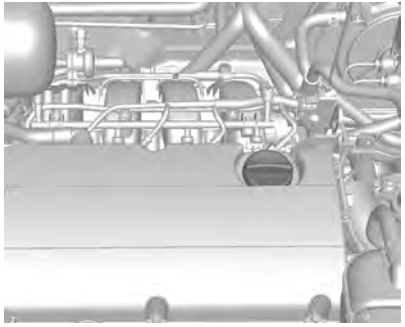
5. Insert the dipstick to the stop on the handle.

Note
The engine oil level must not exceed the **MAX** mark on the dipstick.

For correct engine oil specification, see Recommended fluids, lubricants and parts on page 211.

Adding engine oil

See Capacities on 216.



The engine oil filler cap is located on the top of the engine.

1. Rotate the engine oil filler cap anticlockwise and remove.
2. Add enough oil to reach below the **MAX** mark on the dipstick.
3. Check the level on the dipstick and add further oil if necessary.

   The engine oil must not exceed the **MAX** mark on the dipstick.

Caution

Overfilled engine oil must be drained or suctioned out.

4. Replace the engine oil filler cap tightly by rotating clockwise.

Note

Non-detergent and other low quality oils, the use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended.

⚠Danger

Engine oil is an irritant and if ingested, can cause illness or death.

Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be careful when draining the engine oil as it may be hot.

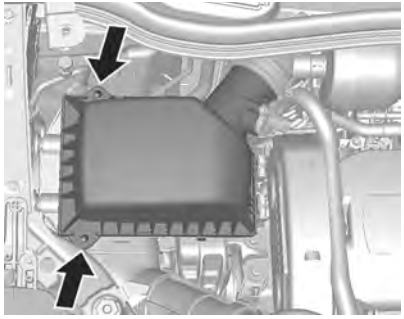
Engine oil change intervals

Refer to the Service/Warranty Booklet and see Engine oil life system on page 210.

Transmission fluid

The fluid level will be checked when the vehicle is serviced. Refer to the Service/Warranty Booklet. It does not require checking in between the scheduled services.

Engine air filter



1. Unscrew both screws.
2. Loosen the cover hinges.
3. Open the cover.
4. Replace the air filter.
5. Lock the cover with the cover hinges and screws.

Caution
Do not operate the vehicle without the air filter installed. Engine damage may occur.

Note The appearance may differ between engines.

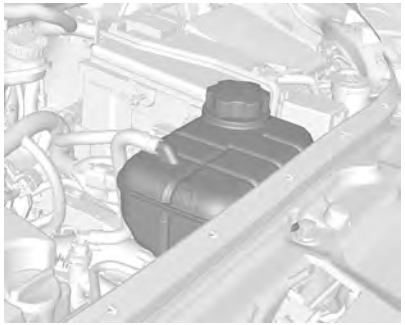
Engine coolant

Engine coolant level

Check the coolant level at least once a week.

Checking coolant level

⚠Warning
Do not remove the radiator cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.



If the cooling system is cold, the coolant level should be above the line on the coolant reservoir.

Adding coolant

Caution

If the coolant level is too low, engine damage may occur.

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Note

Use only approved coolant. See Recommended fluids, lubricants and parts on page 211.

1. Turn the ignition off.
2. Remove the coolant reservoir cap.
3. Add the required amount of coolant.
4. Replace the cap securely.

   If the coolant requires regular topping up, contact a Holden Dealer.

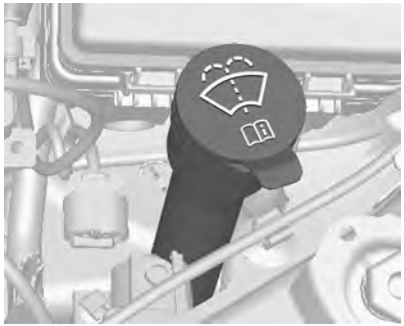
⚠Warning

Avoid repeated or prolonged contact with coolant.

Wash off with soap and water.

Keep out of reach of children.

Washer fluid



Check the fluid level weekly.

Adding washer fluid

1. Lift the front of the cap up.

   Use the correct amount of washer fluid additive. Refer to a Holden Dealer.

   Do not use ordinary soap or detergent as they froth up and damage the wiper rubbers.
2. Secure the cap.

Brake/clutch fluid

⚠Warning

Brake fluid is poisonous and corrosive and will damage the paint finish of the vehicle if spilt.

Caution

Avoid contact with eyes and skin. Wash any affected area immediately.

Checking brake/clutch fluid level

The level should be between the **MIN** and **MAX** area.

If the fluid level is correct, do not remove the reservoir cap, as brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding brake fluid

See Recommended fluids, lubricants and parts on page 211.

1. Turn the ignition off.
2. Wipe the sides of the cap clean.
3. Rotate the brake/clutch fluid reservoir cap anticlockwise and remove.
4. Top up with the recommended brake fluid.

⚠Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

If the brake/clutch fluid requires regular topping up, contact a Holden Dealer immediately.

Caution

Do not dispose of used brake fluid with household waste.

Use the local, authorised waste management facility.

Battery

⚠Warning

Batteries emit an explosive gas mixture which may be ignited. Therefore, you should keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with plenty of water. In case of eye contact, flush with plenty of water and contact a doctor immediately. Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.

Keep batteries out of the reach of children.

Take care with all metal objects and tools including items you may wear (for example jewellery, rings and metal watch bands) near battery terminals.

The vehicle battery is maintenance free.

Battery replacement

For battery location, see Engine compartment overview on page 169.

For replacement, refer to a Holden Dealer or authorised repairer.

Caution

Do not dispose of batteries with household waste.

Use the local, authorised waste management facility.

Battery disconnection

The battery may discharge if the vehicle is not used for approximately four weeks.

To disconnect the battery:

1. Turn the ignition off.
2. Disconnect the clamp from the negative terminal of the vehicle battery.

   Ensure the ignition is turned off before reconnecting the vehicle battery.

For emergency starting when the battery is flat, see Jump starting on page 200.

Bulb replacement

Contact a trained service technician if unsure about the bulb replacement process.

When replacing bulbs:

- Turn the ignition off and remove the key.
- Turn off related switches.
- Fit bulbs of the specified wattage only.
- Do not touch bulbs or reflectors with bare hands.
- Clean stained bulbs with methylated spirits.

Bulbs to be changed by a Holden Dealer

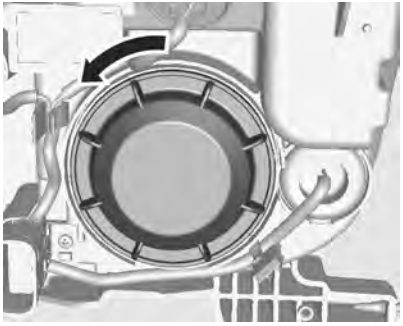
- Side turn signal lamps
- Centre High Mounted Stoplamp (CHMSL)
- Fog lamps

Caution

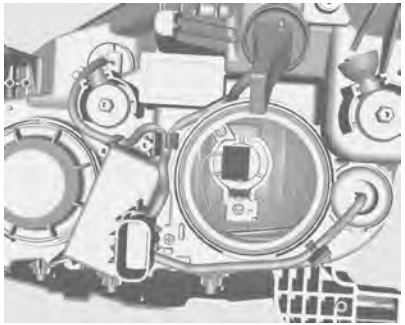
Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Headlamps

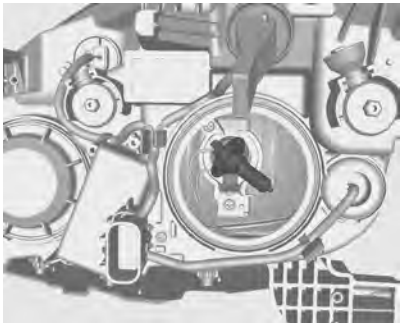
Low and high beam



1. Remove the protective cover by rotating anticlockwise.

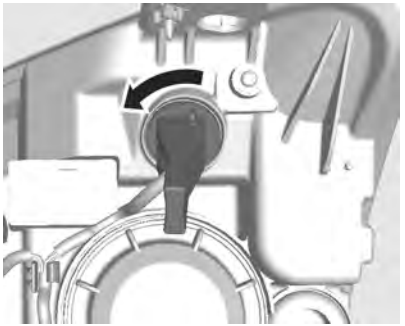


2. Disconnect the headlamp bulb electrical connector.
3. Press the spring clip to disengage.

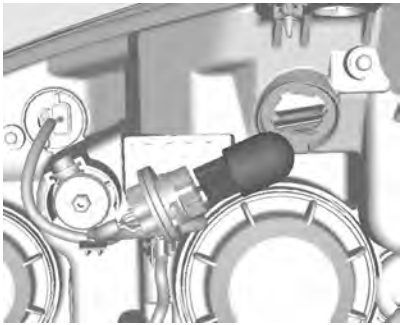


4. Remove the bulb from the headlamp and replace the bulb.
5. When fitting a new bulb, engage the lugs in the recesses on the reflector.
6. Secure the bulb with the spring clip.
7. Connect the headlamp bulb electrical connector.
8. Place the headlamp protective cover in position and close by rotating clockwise.
9. Check lamp operation.

Parking/DRL lamps

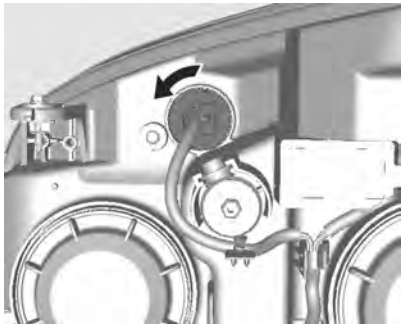


1. Remove the bulb holder from the headlamp assembly by rotating anticlockwise.

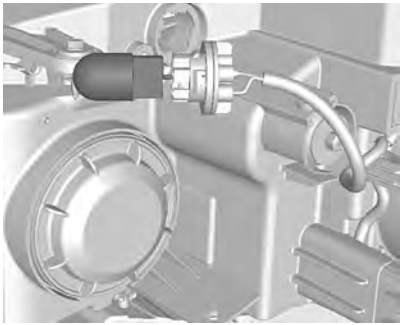


2. Remove the bulb from the bulb holder and replace the bulb.
3. Reinstall the bulb holder into the headlamp assembly by rotating clockwise.
4. Check lamp operation.

Front turn signal lamps



1. Remove the bulb holder from the headlamp assembly by rotating anticlockwise.

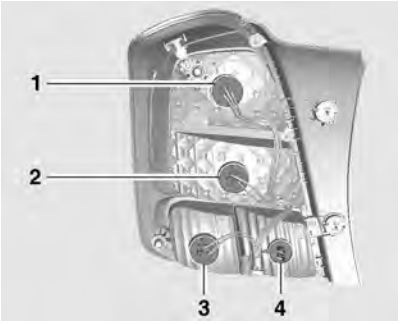


2. Remove the bulb from the bulb holder and replace the bulb.
3. Reinstall the bulb holder into the headlamp assembly by rotating clockwise.
4. Check lamp operation.

Tail lamps, turn signals, stop lamps and reverse lamps

1. Remove the two screw covers by using a flat-blade screwdriver.
2. Unscrew both screws.
3. Hold both sides of the tail lamp assembly.
4. Pull rearwards to disengage the locator pins from the outer panel.

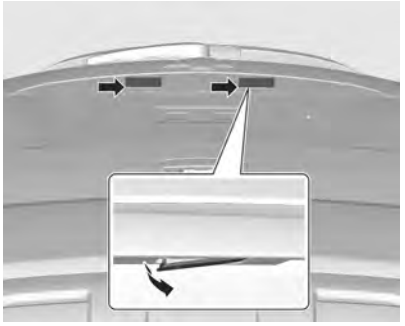
   Ensure the cable grommet remains in position.



- Tail/stop lamp (1)
- Tail lamp (2)
- Turn signal lamp (3)
- Reverse lamp (4)

5. Remove the bulb holder by rotating anticlockwise.
6. Remove the bulb from the bulb holder and replace the bulb.
7. Reinstall the bulb holder into the tail lamp assembly by rotating clockwise.
8. Refit the tail lamp assembly.
9. Refit both screws and covers.
10. Check operation of all lamps.

Number plate lamp



1. Using a flat-blade screwdriver, prise the lamp housing downwards.
2. Remove the lamp housing by pulling downwards.

   Do not pull on the cable.
3. Rotate the bulb holder anticlockwise to disengage.
4. Remove the bulb from the bulb holder and replace the bulb.
5. Insert the bulb holder into the lamp housing and rotate clockwise.

6. Reinstall the lamp housing and secure.
7. Check lamp operation.

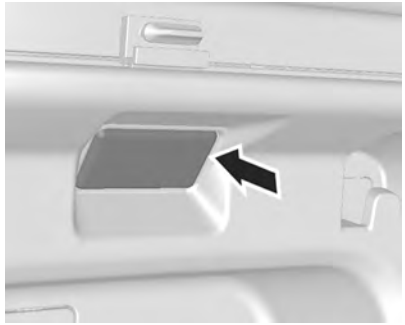
Interior lamps

Courtesy lamps

1. To remove the lamp, carefully prise the opposite side of the lamp to the switch using a flat-blade screwdriver.

   Note Be careful not to scratch the lamp.
2. Remove the bulb and replace.
3. Reinstall the lamp assembly.
4. Check lamp operation.

Load compartment lamp



1. Using a flat-blade screwdriver, prise the lamp assembly outwards.
2. Remove the bulb and replace.
3. Reinstall the lamp assembly firmly into place.
4. Check lamp operation.

Electrical system

Fuses

⚠Warning

Turn off the ignition (LOCK position) and any electrical equipment before changing a fuse.

- Replace blown fuses promptly.
- A blown fuse can be recognised by its melted wire.
- Do not replace the fuse until the cause of the fault has been remedied.
- Some functions are protected by several fuses.

Fuse extractor

A fuse extractor is located in the fuse box in the engine compartment.

Place the fuse extractor on the top or side of the fuse to extract the fuse.

Replace the fuse cover securely after use.

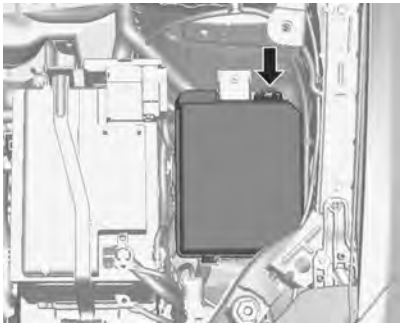
⚠Warning

When replacing a fuse be sure to use a fuse of the specified amperage.

Never install a wire or similar as it could damage electrical components and cause a fire.

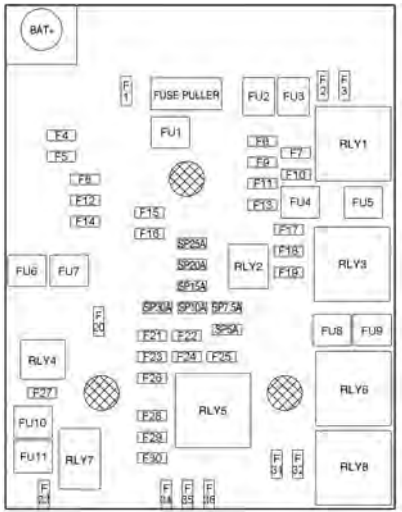
Any improper alterations to the electrical system may cause a fire hazard and engine damage. To maintain your own safety and that of the vehicle, have any work involving the electrical system or the replacement of high current fuses or relays carried out by a Holden Dealer.

Engine compartment fuse box



The fuse box is located in the engine compartment.

To disengage the cover, lift upwards and remove.



The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuses

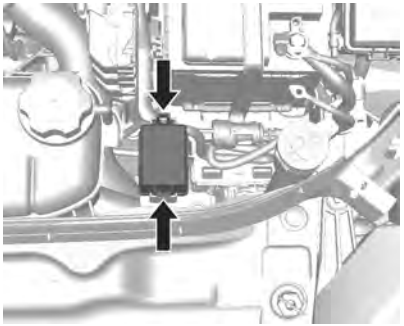
F1 SUNROOF ..... (25A)
F2 OSRVM SW ..... (7.5A)
F3 –
F4 SPARE ..... (25A)
F5 EBCM VALVE ..... (30A)
F6 IBS..... (5A)
F7 SPARE ..... (15A)
F8 TCM B+ ..... (15A)
F9 BCM RVC..... (5A)
F10 HDLP LEVELING LH/RH..... (10A)
F11 REAR WIPER..... (20A)
F12 RR WDW DEFOG..... (25A)
F13 –
F14 OSRVM HEAT ..... (7.5A)
F15 SPARE ..... (20A)
F16 HEATED SEAT MODULE ..... (25A)
F17 TCM R/C ..... (5A)
F18 ECM R/C ..... (5A)
F19 FUEL PUMP..... (20A)
F20 –
F21 FAN RLY (AUX BEC)..... (15A)
F22 –
F23 IGNITION COIL/ INJECTOR COIL ..... (15A)
F24 WASHER PUMP ..... (10A)
F25 –
F26 CANISTER PURGE SOL/ WATER VALVE SOL/ TURBO WASTEGATE SOL/ TURBO BYPASS SOL / O2 SENSOR PRE/POST ..... (10A)
F27 SPARE ..... (10A)
F28 –
F29 ECM PT IGN-1/IGN-2.... (20A)
F30 MAF SENSOR..... (10A)
F31 HIGH BEAM LH..... (15A)
F32 HIGH BEAM RH ..... (15A)
F33 ECM B+..... (15A)
F34 HORN..... (15A)
F35 A/C CLUTCH..... (10A)
F36 FRONT FOG LAMP..... (15A)

FU1 EBCM PUMP..... (40A)
FU2 FRT WIPER..... (30A)
FU3 BLOWER..... (40A)
FU4 IEC R/C ..... (30A)
FU5 –
FU6 –
FU7 SPARE ..... (40A)
FU8 COOL FAN LOW ..... (40A)
FU9 COOL FAN HIGH ..... (60A)
FU10 EVP ..... (30A)
FU11 STARTER SOL..... (30A)

Relays

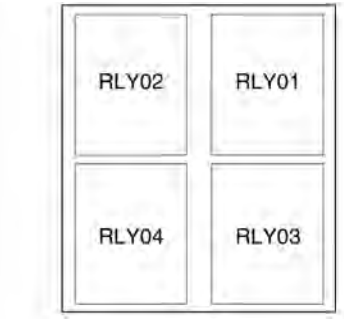
1. RUN CRANK
2. FUEL PUMP
3. –
4. –
5. PT RELAY
6. COOL FAN HIGH
7. STARTER
8. COOL FAN LOW

Auxiliary fuse box



The fuse box is located in the engine compartment.

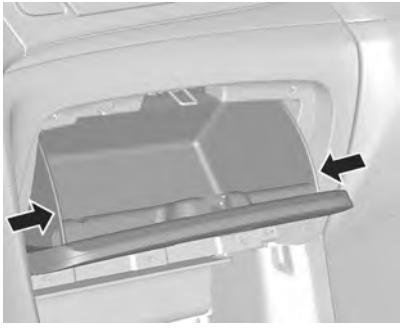
To disengage the cover, lift upwards and remove.



Relays

01 ELECTRIC VACUUM PUMP RELAY
02 –
03 –
04 –

Instrument panel fuse box



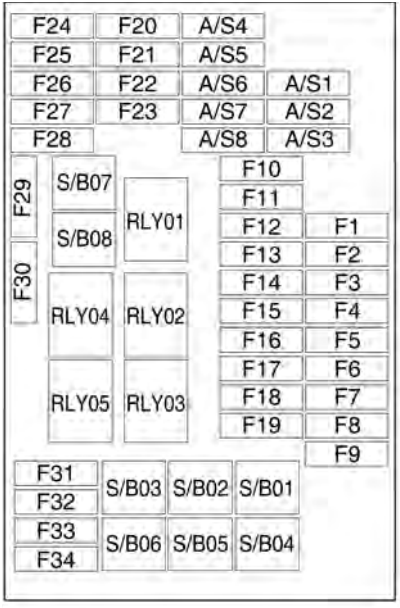
The interior fuse block is located in the glove box.

To access the fuse box:

1. Open the glove box.
2. Squeeze the top outer edges of the glove box towards the centre and lower downwards.

To replace the glove box:

1. Raise the glove box and push upwards to secure.
2. Close the glove box.



The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuses

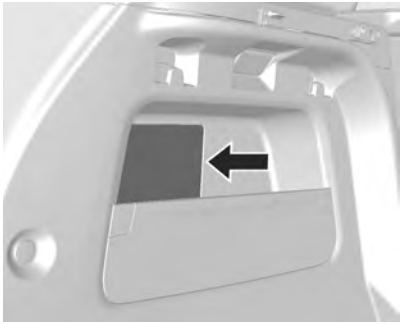
F1	BCM 1	(15A)
F2	BCM 2	(15A)
F3	BCM 3	(15A)
F4	BCM 4	(15A)
F5	BCM 5	(15A)
F6	BCM 6	(15A)
F7	BCM 7	(15A)
F8	BCM 8	(30A)
F9	DLIS	(2A)
F10	SDM B+	(10A)
F11	DLC	(7.5A)
F12	HVAC MDL	(10A)
F13	L/GATE RLY	(10A)
F14	UPA MDL	(10A)
F15	–	
F16	–	
F17	–	
F18	RAIN SNSR	(5A)
F19	BCM RVC	(5A)
F20	SWC BKLT	(2A)
F21	AC APO	(10A)

F22 DC APO ..... (20A)
F23 –
F24 –
F25 –
F26 –
F27 IPC/CMPS MDL ..... (10A)
F28 HDLP SW/DC CVT/ CLTCH SW ..... (10A)
F29 –
F30 –
F31 IPC B+ ..... (5A)
F32 RDO/CHIME ..... (15A)
F33 –
F34 –
S/B01 –
S/B02 –
S/B03 PWR WNDW MTR FRT ..... (30A)
S/B04 –
S/B05 LOGISTIC MODE RLY ..... (30A)
S/B06 –
S/B07 PWR WNDW FRT..... (25A)
S/B08 PWR WNDW REAR..... (25A)

Relays

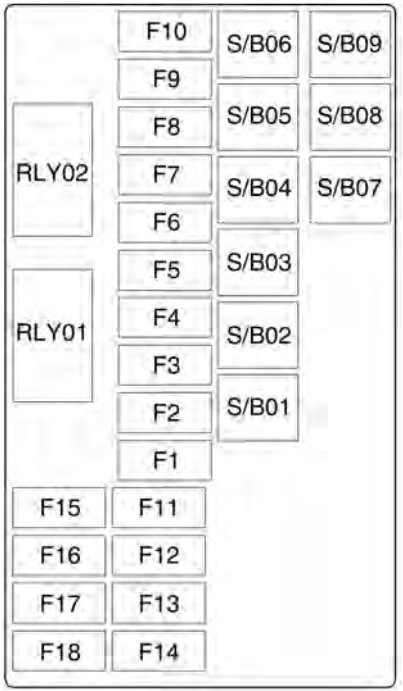
RLY1 ACC/RAP RELAY
RLY2 L/GATE RELAY
RLY3 SPARE RELAY
RLY4 BLOWER RELAY
RLY5 LOGISTIC MODE RELAY

Rear compartment fuse box



The rear compartment fuse box is located in the passenger side of the rear compartment.

To remove the cover, pull outwards.



The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuses

F1 –
F2 –
F3 –
F4 –
F5 –
F6 –
F7 –
F8 –
F9 –
F10 –
F11 TRLR MDL..... (10A)
F12 –
F13 –
F14 –
F15 –
F16 –
F17 SPARE ..... (10A)
F18 –
S/B01 –
S/B02 –
S/B03 TRLR MDL..... (40A)
S/B04 AC DC INV..... (30A)
S/B05 BATT+..... (40A)
S/B06 –
S/B07 –
S/B08 –
S/B09 –

Relays

RLY01 IGN RELAY
RLY02 –

Vehicle tools

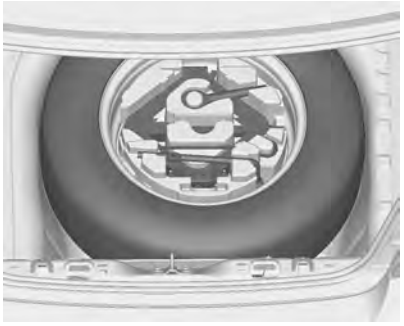
Tools

Tyre repair kit

The vehicle may have a tyre repair kit in place of a spare tyre.

The tools and tyre repair kit are located in the load compartment on the driver side. See Tyre sealant and compressor kit on page 192.

Spare wheel



The jack and tools are located above the spare wheel, in the load compartment. See Tyre changing on page 196.

Wheels and tyres

Tyre and rim condition

- To avoid tyre and rim damage and possible tyre blowout, do not drive over sharp edges.
- Drive over edges slowly and at right angles, if possible.
- When parking, ensure the tyres are not pressed against the edge of the kerb.
- Check the tyres regularly for damage, stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Contact a Holden Dealer, if in doubt.

Tyre pressure

Keep the tyres at the recommended pressures to avoid increased fuel consumption, uneven and premature tyre wear.

The correct pressures are shown on the tyre placard and in the tyre pressure table. See Tyre pressure on page 216.

- Tyre pressure should be checked when cold as tyre pressure will increase as the tyres warm up.
- Check the air pressure of tyres (including the spare) weekly, to ensure occupant safety, as well as reducing fuel consumption and increasing the life of the tyres.
- Replace any valve dust caps or extensions.

Tyre placard

The correct pressures for tyres are shown on the tyre placard in the passenger's door frame.

Always inflate the spare tyre to the pressure specified for maximum load.

Tread depth

Check tread depth at regular intervals.

- Replace the tyres when:

  They are worn to the point where the tread wear indicators (TWI) appear.

  The tyres originally fitted to the vehicle have built in TWI. These show as plain bars across the tread pattern at regular intervals across the tyre.

- If there is more wear on the front tyres than on the rear, swap the front and rear wheels.

  Ensure that the direction of rotation of the wheels is the same as it was previously.
- Tyres age, even if they are not used. Replacement of tyres every six years is recommended.

⚠Warning

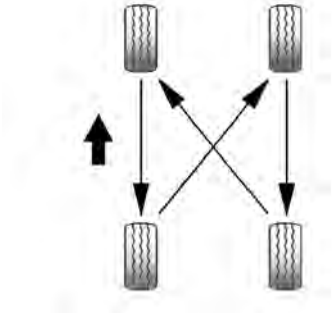
Do not attempt to drive on a flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded are not capable of being driven safely at high speeds. Therefore, their use is not recommended.

Tyre rotation

It is recommended that you:

- Rotate tyres approximately every year or 15,000 km, whichever occurs first.

  Driving conditions, driving techniques, vehicle loading and weather may warrant more frequent tyre checks and rotation.



Front and rear tyres can wear differently depending on:

- Types of roads driven on
- Driving habits
- Tyre pressures
- Wheel alignment and balance

New tyres should be fitted in pairs to the front. If replacing only one tyre, pair it on the same axle with the least worn of the other three.

Buying new tyres

Refer to the tyre placard on the vehicle for tyre size and load rating.

Using a different size or type of tyre may affect:

- Ride
- Handling
- Speedometer accuracy
- Vehicle ground clearance
- Tyre clearance
- Snow chain clearance

⚠Warning

Do not use different sizes or types of tyres and wheels than those originally fitted to the vehicle. Safety and performance of the vehicle may be affected. It may also affect handling and lead to serious injury.

When replacing tyres, install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity.

Tyre chains

⚠Warning

Do not use tyre chains. There is not enough clearance. Tyre chains used on a vehicle without the proper amount of clearance can cause damage to the brakes, suspension or other vehicle parts. The area damaged by the tyre chains could cause loss of control and an accident.

Tyre sealant and compressor kit

The vehicle may have an emergency tyre sealant and compressor kit, in place of a spare tyre. It is located in the load compartment on the driver side.

The repair kit:

- Repairs minor damage to the tyre tread or sidewall.

  Note
  Do not remove any objects that have penetrated the tyre.
- Repairs damage up to 4 mm in the tread area of the tyre.
- Does not repair damage at the tyre's side wall, near the rim.

Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

⚠Warning

Do not drive faster than 80 km/h.

Do not drive on the repaired tyre for an extended time. Steering and handling may be affected.

Note

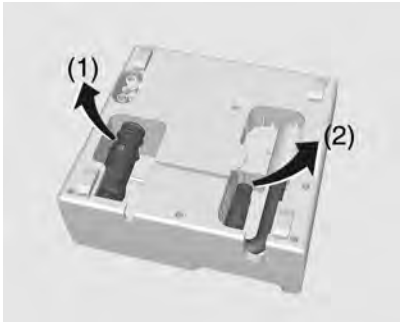
- If unusual noises are heard or the compressor becomes hot, turn the compressor off for at least 30 minutes.
- Check the expiry date on the tyre sealant canister before use. The tyre sealant canister must be replaced before its expiry date.
- The compressor and sealant can be used from approximately –30°C to 70°C.

Temporary puncture repair

1. Apply the park brake.
2. Place manual transmissions into first or reverse gear.

   Place automatic transmissions into position **P**.

3. Remove the tyre repair kit from behind the cover in the load compartment, on the driver side.
4. Remove the compressor and sealant bottle.



5. Remove the electrical connection cable (1) and air hose (2) from the underside of the compressor.

6. Place the switch on the compressor to **O**.
7. Screw the compressor air hose to the connection on the sealant bottle.
8. Connect the compressor plug to the accessory socket (power outlet).
9. Start the engine and let it idle to ensure the battery does not run down.

   Note
   If running the engine ensure neutral or **P** is selected.

⚠Warning

Do not run the engine in an enclosed area or with passengers in the vehicle. See Fuel on page 157 for exhaust gas warnings.

10. Place the compressor near the tyre so that the sealant bottle is upright.

11. Unscrew the valve cap from the defective tyre.
12. Screw the filler hose to the tyre valve.

13. Press the switch on the compressor to **I**.

    The tyre fills with sealant.

    The compressor pressure gauge briefly indicates up to 6 bar while the sealant bottle is emptying (approx. 30 seconds).

    The pressure starts to drop.

    Once the sealant is pumped into the tyre, the tyre is inflated.

    The prescribed tyre pressure (approximately 2.4 bar) should be obtained within 10 minutes.

14. When the correct pressure is obtained, switch off the compressor.

⚠Warning

Do not over inflate tyres due to risk of injury or damage to the tyre.

15. If the tyre pressure is not obtained within 10 minutes, remove the tyre repair kit.
16. Move the vehicle one tyre rotation.
17. Reattach the tyre repair kit and continue the filling procedure for 10 minutes.

⚠Warning

If the recommended pressure cannot be reached after approximately 10 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre repair kit cannot inflate the tyre. Disconnect and stow the tyre repair kit back in its original position. Contact a Holden Dealer.

18. Drain excess tyre pressure with the button over the pressure indicator.

    Do not run the compressor longer than 10 minutes.
19. Detach the tyre repair kit.
20. Push the catch on the bracket to remove the sealant bottle from the bracket.

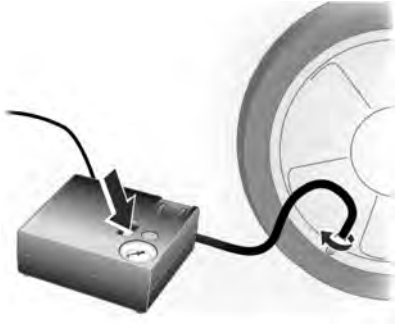
21. Screw the tyre inflation hose to free the connection of the sealant bottle. This prevents sealant from escaping.
22. Stow the tyre repair kit in the load compartment.

⚠Warning

Always stow the tyre repair kit in its original position. Unsecured loads increase the risk of injury during heavy braking, sudden avoidance manoeuvres or a collision.

23. Remove any excess sealant using a cloth.
24. After inflating the tyre, remove the maximum speed label and place it in a visible location.

    It reminds you to drive cautiously and not to exceed 80 km/h until the damaged tyre is replaced or repaired.
25. Continue driving immediately so that sealant is evenly distributed in the tyre.
26. After driving approximately 10 km (but no more than 10 minutes), stop at a safe location to check the tyre pressure.



27. Screw the compressor air hose directly onto the tyre valve and compressor to check the tyre pressure.
28. If the tyre pressure is more than 1.3 bar, set it to the correct value (approx. 2.4 bar).
29. Repeat the procedure from Step 25 until there is no more loss of pressure.

    If the tyre pressure has fallen below 1.3 bar, do not continue driving. Contact a Holden Dealer.
30. Dispose of the used tyre sealant canister at a Holden Dealer or in accordance with local and State codes and practices. Replace with a new canister.
31. Stow the tyre repair kit behind the cover on the driver side, in the load compartment.

This is a temporary puncture repair. Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

Tyre changing

The vehicle may have a spare tyre.

⚠Warning

All passengers must be out of the vehicle when it is being jacked.

Do not jack a vehicle with a trailer attached. Remove the trailer first.

Only jack the vehicle on hard, level surfaces.

Ensure moving parts of the jack are adequately lubricated before use.

Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.

Do not start or run the engine while the vehicle is supported by the jack.

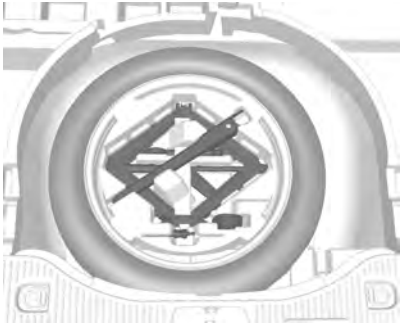
Use the jack only for lifting the vehicle when changing wheels.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

Vehicles with alloy wheels may have a steel spare wheel. Drive carefully and do not exceed 80 km/h if the tyre size or tread pattern of the spare tyre is different to the other tyres on the vehicle. Although the spare tyre was fully inflated when the vehicle was new, it can lose air over time. Check the inflation pressure regularly.

After installing the spare tyre on the vehicle, stop as soon as possible to check the inflation pressure is correct. Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

Removing the spare tyre



The spare tyre is located in the load compartment beneath the floor covering.

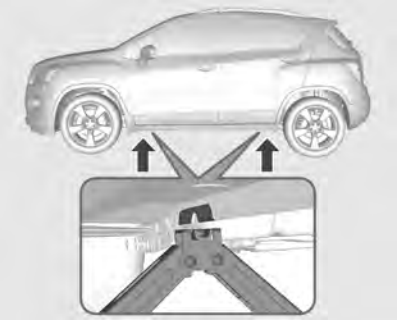
1. Park on a hard, level surface, in a safe location.
2. Apply the park brake firmly.
3. Place manual transmissions in first or reverse gear.

   Place automatic transmissions in position **P**.
4. Switch the hazard warning flashers on.

5. Turn off the engine and remove the key.
6. Chock the wheel diagonally opposite the flat tyre with a suitable solid object.

   Note
   Do not change more than one wheel at one time.
7. Remove the tools from the load compartment.
8. Remove the spare wheel from the load compartment.

9. Place the wheel wrench over the wheel nuts and loosen by half a turn, but do not remove the wheel nuts.



10. Position the jack beneath the jack location closest to the wheel being changed.

    The locations are identified by half circles in the underside of the door sill.
11. Wind the jack up by hand until it engages with the jacking point.

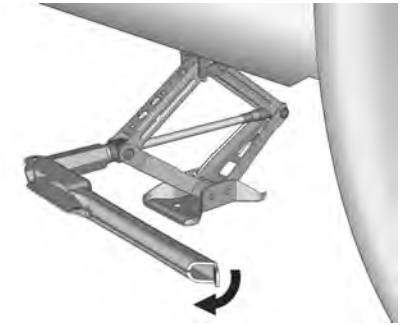
    Ensure that the jack is not tilted and the base is resting squarely on the ground.

⚠Warning

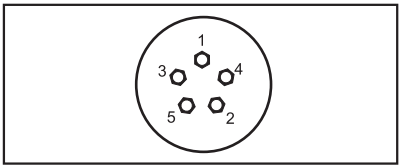
Failure to position the jack as described could cause the vehicle to slip off the jack.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

12. Attach the wheel wrench to the jack.



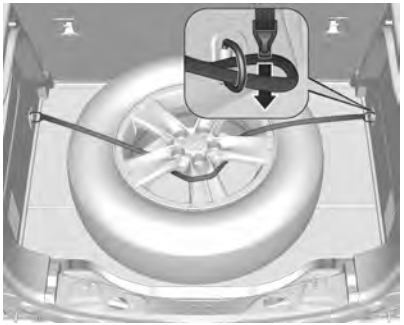
13. Rotate the wrench checking the correct position of the jack, until the wheel is clear of the ground.
14. Unscrew the wheel nuts and place in a clean, dry place.
15. Exchange the wheel on the vehicle with the spare wheel.
16. Clean the wheel nuts and thread before replacing, then lightly tighten with the wrench.
17. Lower the vehicle by reversing the jacking procedure.
18. Remove the jack from under the vehicle.



19. With the wheel on the ground, use the wrench to tighten the wheel nuts in the sequence shown.
20. Replace the flat tyre and tools in the load compartment and have the flat tyre renewed or repaired.

    Note
    When stowing a damaged 18" wheel and tyre follow the procedure below:

21. Replace the tools in the load compartment beneath the floor covering.



Note
The damaged wheel should be stowed face up in the load compartment secured with the supplied strap.

22. Position the wheel face up in the middle of the load compartment.
23. Place the loop end of the strap through the front lashing eye on one side.
24. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the lashing eye.
25. Insert the strap through the spokes of the wheel as shown in the illustration.
26. Mount the hook to the front lashing eye on the opposite side.
27. Tighten the strap and secure it using the buckle.

⚠Danger

Always drive with folded up and engaged rear seat backrests when stowing a damaged full size wheel in the load compartment.

28. Have the flat tyre renewed or repaired.
29. Replace and secure the renewed or repaired tyre and tools back in the load compartment under the floor covering.

⚠Warning

As soon as possible after changing a wheel, have the wheel nuts tightened with a torque wrench to 140 Nm (Newton metres). Wheel nuts must be tightened evenly to the correct torque, as wheel nuts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving.

Jump starting

Read the following warnings and procedure in full before attempting to jump start the vehicle.

If you are still unsure about jump starting, Holden strongly recommends for your safety and that of the vehicle that you seek the assistance of a suitably trained service technician.

⚠Warning

Do not push start or tow start the vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, jump start, but do not push start the vehicle.

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, adhere to the following when working near a battery:

- Do not attempt jump starting directly from the battery in the engine compartment.
- Do not let the jumper lead clamps touch each other or other metal parts.
- Do not allow the jumper leads to contact any rotating engine components.
- Do not use open flames or sparks near the battery.
- Do not smoke near the battery.
- Never use a quick charger to start the engine.
- The battery must be removed from the vehicle for recharging.
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with plenty of water immediately. If it gets in your eyes you should not only flush with lots of water, but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage, wash it off immediately.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.

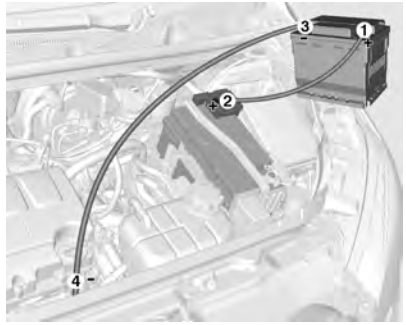
• If a permanently connected hands free telephone kit is fitted to the vehicle, remove the fuse for the telephone kit before jump starting. Remember to replace the fuse afterwards.

- A discharged battery can freeze at temperatures of 0°C.

  Defrost the frozen battery before connecting jumper leads.
- Use a booster battery with the same voltage (12 volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jumper leads with insulated terminals and a cross section of at least 16 mm^2.
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical devices.
- The vehicles must not come into contact with each other during the jump starting process.

1. Position the two vehicles so that they are not touching.
2. Apply the park brakes.
3. For manual transmissions, place the shift lever in neutral.

   For automatic transmissions, place the shift lever in **P**.
4. Turn the ignition off.
5. Turn off all lamps and accessories in both vehicles, except the hazard warning flashers or any lights needed for the work area.



6. Connect one end of the RED lead to the positive terminal of the booster battery (1).
7. Connect the other end of the RED lead to the positive terminal of the discharged battery (2).
8. Connect the BLACK lead to the negative terminal of the booster battery (3).

9. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt (4).

   Connect as far away from the discharged battery as possible (at least 60 cm).

   Note
   Route the leads so that they cannot catch on rotating parts within the engine compartment.

10. Start the engine of the vehicle providing the jump start and allow to idle for at least 5 minutes.
11. Start the engine of the vehicle with the flat battery.

    Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.

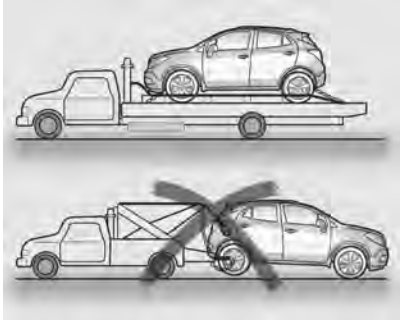
12. Allow both engines to idle for approximately 3 minutes with the leads connected.
13. Switch on the headlamps and the heated rear window of the vehicle that received the jump start.
14. Leave the engines running while removing the BLACK negative jumper lead first, followed by the RED positive jumper lead.

Note
While removing each clamp, do not touch any other metal while the other end remains attached.

Towing

Towing the vehicle

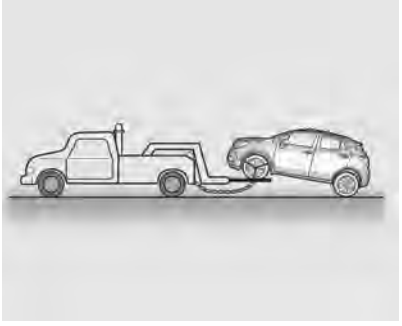
Flat-bed tow truck



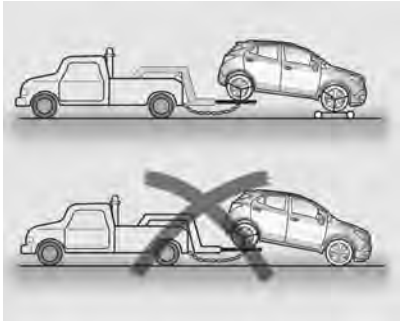
A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

Standard tow truck

If a flat-bed tow truck is not available:



1. Use a standard tow truck, where the front wheels are raised and the rear wheels are in contact with the ground.



2. Alternatively, use a standard tow truck and a towing dolly to prevent the front wheels from contacting the road.

Caution
If the vehicle is towed with the front wheels contacting the road, the vehicle's drive system could be severely damaged.

Towing the vehicle

Caution
Automatic transmission: Do not tow the vehicle using the towing eye, the transmission may be severely damaged. Manual transmission: The vehicle may be towed facing forward at a maximum speed of 80 km/h.

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage. State and local laws must be followed.

Note

- A driver must be in the vehicle to steer and operate the brakes.
- Release the park brake and place the shift lever in neutral.
- Drive slowly when towing.
- When the engine is not running, considerably more force is needed to brake and steer.
- To prevent the entry of exhaust fumes from the towing vehicle, close the windows and press .
- When the transmission is defective, the front axle must be raised off the ground.

1. Use a screwdriver to disengage and remove the cap.
2. Remove the towing eye from the load compartment. See Vehicle tools on page 188.

3. Screw in the towing eye anticlockwise until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

   Note
   The towing eye must only be used for towing and not for recovering the vehicle.
5. Turn the ignition on to release the steering column and to operate the brake lamps, horn and windscreen wipers.
6. Place the shift lever into neutral.

7. After towing, unscrew the towing eye and place back in the load compartment.
8. Reinstall the cap firmly.

Towing another vehicle

⚠Warning

To prevent damage, use only proper towing equipment.

1. Use a screwdriver to carefully disengage and remove the cap.
2. Remove the towing eye from the load compartment. See Vehicle tools on page 188.

3. Screw in the towing eye anticlockwise until it stops in a horizontal position.
4. Fit the towing equipment to the front towing eye.

   Note
   The towing eye must only be used for towing and not for recovering the vehicle.
5. After towing, unscrew the towing eye and place back in the load compartment.
6. Reinstall the cap firmly.

Appearance care

Exterior care

Washing

The paintwork of the vehicle is exposed to environmental influences. Wash and wax regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Failure to do so may result in permanent damage, particularly in hot weather conditions.

Road bloom is a gradual build up of road and environmental grime. This should be removed with a paint cleaner once a year, in addition to normal washing.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. Never use an automatic wash that requires anything touching the paint (other than water). The wipers must be switched off. Remove the antenna and external accessories.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a Holden Dealer.

Caution

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and chamois off the vehicle. Rinse chamois frequently. Use separate chamois for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

⚠Warning

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Exterior lamps

Headlamp and other lamp covers are made of plastic. Do not use any abrasive, solvent based cleaners or caustic agents and do not dry-clean them.

Air intakes

Clear debris from the air intakes, between the bonnet and windscreen and below the front bumper, when washing the vehicle.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads).

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

- Never use abrasive cleaners to clean glass.
- Refer to a Holden Dealer for windscreen washer additive.
- Old wiper blades can cause windscreen scratching. Regularly inspect and replace them.

Caution

Do not operate the wiper blades by hand as this damages the wiper drive mechanism.

When cleaning the rear window, make sure the heating element inside is not damaged.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

- Remove oil and grease with soap and water or detergent.
- Do not use petrol to clean tyres.
- Use a good quality tyre and bumper shine if required.
- A good quality wheel cleaner can be used for cleaning alloy wheels.
- Do not use abrasive cleaners.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms.

Have more extensive damage or rust areas repaired by your Holden Dealer.

Caution

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paint work. If you do, wash it off immediately.

Underbody

Substances can cause rust under the vehicle.

- Hose the underbody with clean water whenever the vehicle is washed.
- Where the vehicle is exposed to heavy concentrations of corrosive materials, inspect and wash the complete underbody at least once each year, preferably after winter exposure.

Interior care

⚠Warning

Many cleaning products are toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Ensure that the vehicle is well ventilated while using any cleaners and always follow the cleaning product manufacturer's recommendations. Water based cleaners, rather than solvent based cleaners, are recommended.

Steam cleaning of seats is not recommended.

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with a mild, non-abrasive soap and lukewarm water.

After washing, thoroughly, sponge the solution out of the belts.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Service and maintenance

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Recommended fluids, lubricants and parts 211

General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

See your Service/Warranty Booklet for the service schedules and for more information.

Engine oil life system

The vehicle has a computer system that lets you know when to change the engine oil and filter.

The frequency of the oil change depends on driving patterns, engine RPM and engine temperature.

When the system has calculated that oil life has been diminished, **Change** (change engine oil soon) will appear in the Driver Information Centre (DIC).

When **Change** (change engine oil soon) is displayed, have the engine oil and filter changed as soon as possible, within the next 1,000 km.

It is possible that, if you are driving under the best conditions, the oil life system may not indicate that an oil change is necessary for a longer period than that shown in the Maintenance schedule. However, the engine oil and filter must be changed in accordance with the Maintenance schedule outlined in the Service/ Warranty Booklet.

Recommended fluids, lubricants and parts

Engine type	1.4L petrol	1.8L petrol
Engine oil specification	SAE 5W-30; dexos (dexos1® Gen2)	SAE 5W-30; dexos (dexos1®)
Coolant specification	50% clean fresh water and 50% Dexcool® anti-freeze coolant, conforming to specification number GM6277M	
Manual transmission fluid	GM Part number 93165694 (BOT 303, low viscosity 70W)	SAE 75W-90
Automatic transmission fluid	Dexron® VI	
Brake/clutch fluid	DOT 4 Hydraulic brake fluid, conforming to specification number GMW3356	
Battery	12 volts, 60 amp hours	

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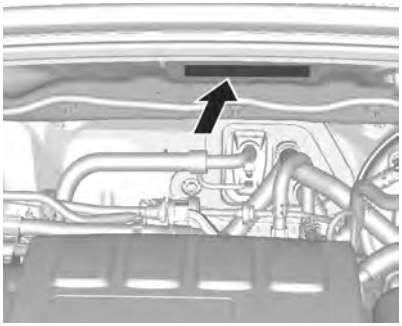
Vehicle data 214

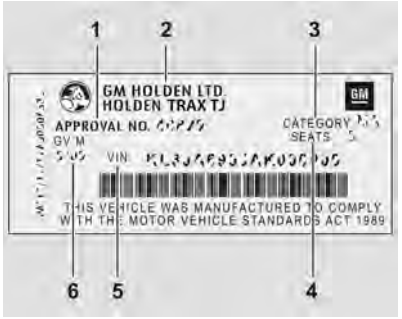
Vehicle identification

Vehicle identification number (VIN)



The Vehicle Identification Number (VIN), is engraved in the centre of the firewall and also on a plate on the passenger side at the lower edge of the front windscreen.

Identification plate



An identification label is located on the front passenger's door frame.

The label shows:

1 = Approval number

2 = Manufacturer

3 = Category

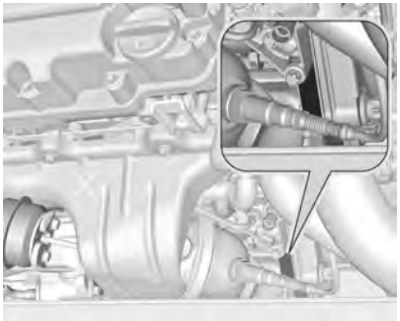
4 = Number of seats

5 = Vehicle identification number

6 = Compliance date

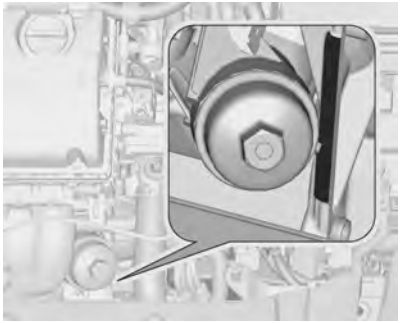
Engine number

1.4L engine



The engine serial number is located in the front part of the engine compartment.

1.8L engine



The engine serial number is located next to the oil filter.

Vehicle data

Engine data

Engine type	1.4 L Turbo DOHC Petrol	1.8 L DOHC Petrol
Number of cylinders	4	4
Engine	1364	1796 cc
Engine power	Please refer to holden.com.au	
Engine torque	Please refer to holden.com.au	
Octane rating (RON)		
Minimum	91	91
Recommended	95	91
Ethanol compatibility	E10	

Vehicle weight

Overloading is a safety hazard and could also shorten the life of the vehicle.

Maximum vehicle payloads

Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
5	68	408

Axle loads

Maximum front and rear axle loads

Do not exceed the maximum axle loads, including the weight of any options or accessories fitted to the vehicle. Weigh at a weighbridge if unsure.

Front axle load (kg)	Rear axle load (kg)
1001	991

Dimensions (mm)

Length	Width (excl. mirrors)	Width (inc. mirrors)	Height	Wheel base
4248	1766	2035	1674	2555

The above figures are based on the design dimensions.

Capacities

Engine type	1.4 L Turbo DOHC Petrol	1.8 L DOHC Petrol
Refill engine oil including filter (approximately)	4.0 L	4.5 L
Coolant (approximately)	7.35 L	6.35 L
Fuel tank	53.0 L	53.0 L

Tyre pressure

Tyre size	Wheel size	Recommended pressure					
		Front		Rear		Spare	
		kPa	PSI	kPa	PSI	kPa	PSI
205/70 R16 97H	16x6.5J	240	35	240	35	240	35
215/55 R18 95H	18x7.0J	240	35	240	35	-	-

Customer information

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Customer satisfaction procedure

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation, servicing, parts/accessories or the validity of original equipment supplied with your vehicle will be handled by your Holden Dealer Sales and Service Department.

We realise however that, with the best intentions, misunderstandings sometimes occur.

Therefore, we suggest you discuss any concern with one of the Holden Dealer management people.

If you have not received satisfaction from the Sales Manager or Service Manager, go to the General Manager or to the Dealer Principal.

By now you should have satisfaction. If not, the Holden Customer Care office is at your disposal.

Customer Care offices

Australia

The Holden Customer Care representatives can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:

1800 033 349

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager
Holden Customer Care Centre
GPO Box 1714
Melbourne 3001

Your letter should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service/ Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service/Warranty Booklet in your vehicle's glove box.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

New Zealand

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

0800 HOLDEN (**0800 465 336**)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

If you prefer to write the address is:

The Manager
Holden Customer Care Centre
P.O. Box 11195
Ellerslie
Auckland 1542
New Zealand

Trademarks and licence agreements

About DivX® video

DivX® is a digital video format created by DivX®, LLC, a subsidiary of Rovi Corporation.

This is an official DivX Certified® device that plays DivX® video. Visit divx.com for more information and software tools to convert your files into DivX® videos.

About DivX® video-on demand

The DivX Certified® device must be registered in order to play purchased DivX® Video-on-Demand (VOD) movies. See DivX® VOD on page 117.

To obtain a registration code, locate the DivX® VOD section in the device setup menu. Go to vod.divx.com for more information on how to complete your registration.

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